

SVRENGINEERINGCOLLEGE

AYYALURUMETTA(V),NANDYAL,KUNNOOLDT.A
NDHRAPRADESH-518502



2018–2019

**LABORATORYMANUAL
OF**

WEB AND INTERNET TECHNOLOGIES LABORATORY

(R-15REGULATIONS)

(15A05609)

Prepared by
Mr. N. HARI KRISHNA
Asst. Professor

For
B. Tech. III Year/II Sem.(CSE)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SVR ENGINEERING COLLEGE

**(AFFILIATEDTOJNTUAANANTHAPURAM-AICITE-INDIA)
AYYALURUMETTA(V),NANDYAL,KUNNOOLDT.A
NDHRAPRADESH-518502**

LABMANUALCONTENT

WEBAND INTERNET TECHNOLOGIES LABORATORY

(15A05609)

1. Institute Vision & Mission, Department Vision & Mission
2. PO, PEO& PSO Statements.
3. List of Experiments
4. CO-PO Attainment
5. Experiment Code and Outputs

1. Institute Vision & Mission, Department Vision & Mission Institute

Vision:

To produce Competent Engineering Graduates & Managers with a strong base of Technical & Managerial Knowledge and the Complementary Skills needed to be Successful Professional Engineers & Managers.

Institute Mission:

To fulfill the vision by imparting Quality Technical & Management Education to the Aspiring Students, by creating Effective Teaching/Learning Environment and providing State – of the – Art Infrastructure and Resources.

Department Vision:

To produce Industry ready Software Engineers to meet the challenges of 21st Century.

Department Mission:

- Impart core knowledge and necessary skills in Computer Science and Engineering through innovative teaching and learning methodology.
- Inculcate critical thinking, ethics, lifelong learning and creativity needed for industry and society.
- Cultivate the students with all-round competencies, for career, higher education and self-employability.

PROGRAMME OUTCOMES (POs)

PO-1: Engineering knowledge - Apply the knowledge of mathematics, science, engineering fundamentals of Computer Science& Engineering to solve complex real-life engineering problems related to CSE.

PO-2: Problem analysis - Identify, formulate, review research literature, and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO-3: Design/development of solutions - Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

PO-4: Conduct investigations of complex problems - Use research-based knowledge and research methods, including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

PO-5: Modern tool usage - Select/Create and apply appropriate techniques, resources and modern engineering and IT tools and technologies for rapidly changing computing needs, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

PO-6: The engineer and society - Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.

PO-7: Environment and Sustainability - Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO-8: Ethics - Apply ethical principles and commit to professional ethics and responsibilities and norms of the relevant engineering practices.

PO-9: Individual and team work - Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10: Communication - Communicate effectively on complex engineering activities with the engineering community and with the society-at-large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

PO-11: Project management and finance - Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO-12: Life-long learning - Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadcast context of technological changes.

Program Educational Objectives (PEOs):

PEO 1: Graduates will be prepared for analyzing, designing, developing and testing the software solutions and products with creativity and sustainability.

PEO 2: Graduates will be skilled in the use of modern tools for critical problem solving and analyzing industrial and societal requirements.

PEO 3: Graduates will be prepared with managerial and leadership skills for career and starting up own firms.

Program Specific Outcomes (PSOs):

PSO 1: Develop creative solutions by adapting emerging technologies / tools for real time applications.

PSO 2: Apply the acquired knowledge to develop software solutions and innovative mobile apps for various automation applications.

LISTOFEXPERIMENTS:

Course Objectives:

- To introduce clients ides cripting with Java scriptandDHTML
- To introduce server side programming with java servlets,JSP and PHP
- To learn the basic web concepts and internet protocols

Course Outcomes:

Upon successful completion of this course ,the students will be able to:

- Ability to create dynamic and interactive websites
- Gain knowledge of client side scripting using java script and DHTML
- Demonstrate understanding of what is XML and how to parse and use XML data
- Able to do server side programming with Java Servlets, JSP and PHP

INDEX

S. No	List of programs	Pg.No.
1	Install the following on the local machine: ApacheWebServer,TomcatApplicationServerlocally,Install MySQLandinstallPHP andconfigureittoworkwithApachewebserverandMySQL.	1-15
2	Write an HTML page including any required JavaScript that takes a number from one text field in the range of 0 to 999 and shows it in another text field in words. If the number is out of range, it should show "out of range" and if it is not a number, it should show "not a number" message in the result box.	16-18
3	Write a HTML page that has one input, which can take multi-line text and a submit button. Once the user clicks the submit button, it should show the number of characters, words and lines in the text entered using an alert message. Words are separated with white spaces and lines are separated with newline character.	19-20
4	Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size).	21-22
5	Create and save an XML document at the server, which contains 10 users information. Write a program which takes User Id as input and returns the user details by taking the user information from the XML document.	23-26
6.	Implement the following web applications using (a) PHP, (b) Servlets and (c) JSP.	
	i) A user validation web application, where the user submits the login name and password to the server. The name and password are checked against the data already available in Database and if the data matches, a successful login page is returned. Otherwise a failure message is shown to the user.	27-30
	ii) Modify the above program to use an XML file instead of database.	31-34
	iii) Modify the above program using AJAX to show the result on the same page below the submit button.	35-38
	iv) A simple calculator application that takes two numbers and an operator (+, -, *, /, %) from an HTML page and returns the result page with the operation performed on the operands.	39-46

<p>v) A web application takes a name as input and on submit it shows a hello<name> page where <name> is taken from the request. It shows the start time at the right top corner of the page and provides the logout button. On clicking this button, it should show a logout page with Thank You<name> message with the duration of usage. (Uses session to store name and time).</p>	47-50
<p>vi) A web application that takes name and age from an HTML page. If the age is less than 18, it should send a page with "Hello <name>, you are not authorized to visit this site" message, where <name> should be replaced with the entered name. Otherwise it should send "Welcome <name> to this site" message.</p>	51-53
<p>vii) A web application that takes name and age from an HTML page. If the age is less than 18, it should send a page with "Hello <name>, you are not authorized to visit this site" message, where <name> should be replaced with the entered name. Otherwise it should send "Welcome <name> to this site" message.</p>	54-55
<p>viii) A web application for implementation: The user is first served a login page which takes user's name and password. After submitting the detail the server checks these values against the data from a database and takes the following decisions. If name and password matches serves a welcome page with user's fullname. If name and password doesn't match, then serves "password mismatch" page. If name is not found in the database, serves a registration page, where user's full name is asked and on submitting the full name, it stores, the login name, password and full name in the database (hint: uses session for storing data, submitted login name and password).</p>	56-66
<p>ix) A web application that lists all cookies stored in the browser on clicking "List Cookies" button. Add cookies if necessary.</p>	67-70

4.0CO-POATTAINMNET

CO-ATTAINMENT:

SVR ENGINEERING COLLEGE							
Department:	COMPUTER SCIENCE AND ENGINEERING						
Course Outcome Attainment - Internal Assessments							
Name of the faculty :	N HARI KRISHNA	Academic Year:	2018-2019				
Branch & Section:	COMPUTER SCIENCE AND ENGINEERING	Exam:	EXTERNAL LAB				
Course:	Web and Internet Technologies Laboratory	Semester:	III-II				
Course Outcomes	Internal Lab		Internal Lab	University Exam			
15A05609.1	3		3	3			
15A05609.2	3		3	3			
15A05609.3	3		3	3			
15A05609.4	3		3	3			
15A05609.5	3		3	3			
Course Outcomes				Attainment Level			
15A05609.1	Create data sharing with different applications and sending and intercepting sms			3			
15A05609.2	Creating the Application by using the Activity class			3			
15A05609.3	Develop applications using services and publishing android applications.			3			
15A05609.4	Design the Application by using (1) LINEAR LAYOUT (2) RELATIVE LAYOUT (3) ABSOLUTE LAYOUT			3			
15A05609.5	Create Application by Using Building Menus and Storing Data			3			
Average Attainment				3			
Overall Course Attainment				3			

PO-ATTAINMENT:

SVR ENGINEERING COLLEGE

DEPARTMENT	COMPUTER SCIENCE AND ENGINEERING
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PROGRAM OUTCOME ATTAINMENT

Name of Faculty:	N HARI KRISHNA	Academic Year	2018-2019
Branch & Section:	COMPUTER SCIENCE AND ENGINEERING	SUB CODE:	15A05609
Course:	Web and Internet Technologies Laboratory	Semester:	III-II

COURSE OUTCOME ATTAINMENT

Course outcome attainment	Internal lab	Internal lab	External lab
15A05609.1	3	3	3
15A05609.2	3	3	3
15A05609.3	3	3	3
15A05609.4	3	3	3
15A05609.5	3	3	3

COURSE OUTCOMES AND PROGRAM OUTCOMES MAPPING

	PO1 O 2	P O 2	PO3	PO4	P O 5	P O 6	P O 7	P O 8	PO9	PO 10	PO 11	PO 12	PS O1	PS O2	
15A05609.1	3	3	2	2	1	2			1		1	2	3	1	
15A05609.2	3	2	1	1		1		1				1	2	2	
15A05609.3	3	3	2	2	2	1	1			1			2	1	
15A05609.4	3	3	1	2		2			2		2	2	2	2	
15A05609.5	3	2	2	2		2		2		1			3	1	
AVERAGE	3.0	2.6	1.6	1.8	5	6	0	5		1.5	1.0	1.5	1.7	2.4	1.4

**PO-
ATTAINM
ENT**

	PO1 O 2	PO3	PO4	P O 5	P O 6	P O 7	P O 8	PO9	PO 10	PO 11	PO 12	PS O1	PS O2	
INTERNAL	15A05609.1	9	9	6	6	3	6		3		3	6	9	3
	15A05609.2	9	6	3	3		3		3			3	6	6
	15A05609.3	9	9	6	6	6	3			3			6	3
	15A05609.4	9	9	3	6		6			6		6	6	6
	15A05609.5	9	6	6	6		6			3			9	3

UNIVERSITY	15A05 609.1	9	9	6	6	3	6			3		3	6	9	3
	15A05 609.2	9	6	3	3		3		3				3	6	6
	15A05 609.3	9	9	6	6	6	3	3				3		6	3
	15A05 609.4	9	9	3	6		6			6		6	6	6	6
	15A05 609.5	9	6	6	6		6		6			3		9	3
OVERALL	15A05 609.1	3	3	3	3	3	3			3		3	3	3	3
	15A05 609.2	3	3	3	3		3		3			3	3	3	3
	15A05 609.3	3	3	3	3	3	3	3			3		3	3	3
	15A05 609.4	3	3	3	3		3			3		3	3	3	3
	15A05 609.5	3	3	3	3		3		3			3		3	3
Attainment		3	3	3	3	3	3	3	3						
Faculty: N HARI KRISHNA								Head of the Department							

2.1 Subject Time Table

SVREENGINEERINGCOLLEGE::NANDYAL								
DEPARTMENT OF CSE								
N.HARI KRISHNA					III-II			
Day/ Time	9:30 AM	10:20 AM	11:30 AM	12:20 PM-	LUNCHBREAK	02:00 PM	02:50 PM	03:40 PM
	10:20 AM	11:10AM	12:20 PM	01:10 PM		02:50 PM	03:40 PM	04:30 PM
MON								
TUE								
WED								
THU								
FRI								
SAT								

PROGRAM-1.1**DATE:****AIM:InstallTOMCATwebserverandAPACHE.**

While installation, we assign port number 8080 to APACHE. Make sure that these ports are available i.e., no other process is using this port.

DESCRIPTION:***Set the JAVA_HOME Variable***

You must set the JAVA_HOME environment variable to tell Tomcat where to find Java. Failing to properly set this variable prevents Tomcat from handling JSP pages. This variable should list the base JDK installation directory, not the bin subdirectory. On Windows XP,

you could also go to the Start menu, select Control Panel, choose System, click on the Advanced tab, press the Environment Variables button at the bottom, and enter the JAVA_HOME variable and value directly as:

Name: JAVA_HOME***Value: C:\jdk******Set the CLASSPATH***

Since servlets and JSP are not part of the Java 2 platform, standard edition, you have to identify the servlet classes to the compiler. The server already knows about the servlet classes, but the compiler (i.e., javac) you use for development probably doesn't. So, if you don't set your CLASSPATH, attempts to compile servlets, tag libraries, or other classes that use the servlet and JSP API will fail with error messages about unknown classes.

Name: JAVA_HOME***Value: install_dir/common/lib/servlet-api.jar******Turn on Servlet Reloading***

The next step is to tell Tomcat to check the modification dates of the class files of requested servlets and reload ones that have changed since they were loaded into the server's memory. This slightly degrades performance in deployment situations, so it is turned off by default. However, if you fail to turn it on for your development server, you'll have to restart the server every time you recompile a servlet that has already been loaded into the server's memory.

To turn on servlet reloading, edit `install_dir/conf/server.xml` and add a `<DefaultContext>` element to the main `<Host>` element and supply `true` for the `reloadable` attribute. For example, in Tomcat 5.0.27, search for this entry:

```
<Hostname="localhost" debug="0" appBase="webapps" ...> and then insert the  
following immediately below it:
```

```
    <DefaultContext reloadable="true"/>
```

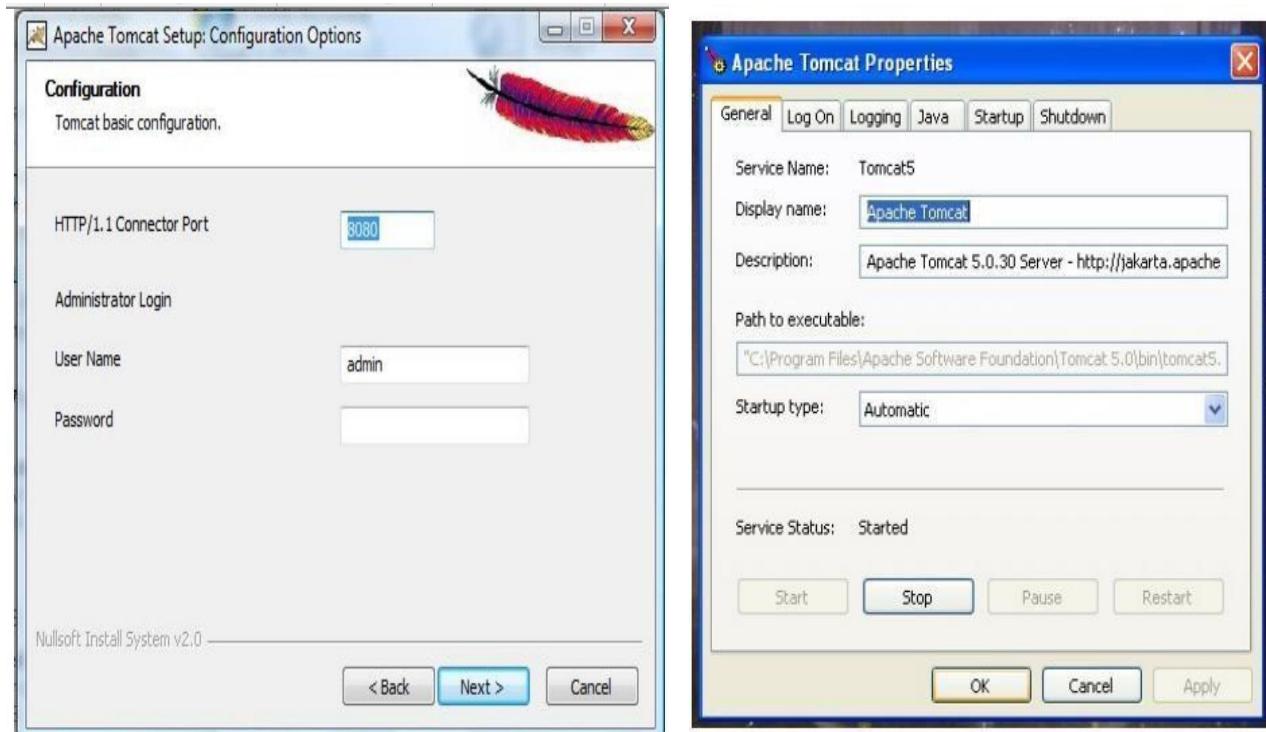
Be sure to make a backup copy of `server.xml` before making the above change.

Enable the InvokerServlet

The invoker servlet lets you run servlets without first making changes to your Web application's deployment descriptor. Instead, you just drop your servlet into WEB-INF/classes and use the URL `http://host/servlet/ServletName`. The invoker servlet is extremely convenient when you are learning and even when you are doing your initial development.

To enable the invoker servlet, uncomment the following servlet and servlet-mapping elements in `install_dir/conf/web.xml`. Finally, remember to make a backup copy of the original version of this file before you make the changes.

```
<servlet>
  <servlet-name>invoker</servlet-name>
  <servlet-
    class>org.apache.catalina.servlets.InvokerServlet
  </servlet-class>
  ...
</servlet>
...
<servlet-mapping>
  <servlet-name>invoker</servlet-name>
  <url-pattern>/servlet/*</url-pattern>
</servlet-mapping>
```

OUTPUT:

RESULT: Thus TOMCAT webserver was installed successfully.

PROGRAM-1.2

DATE:

AIM: Access the developed static web pages for books website, using these servers by putting the web pages developed in week-1 and week-2 in the document root.

Output:

The screenshots illustrate the configuration and management of an Apache Tomcat 5.0.30 server running on a Windows operating system.

- Screenshot 1: Apache Tomcat 5.0.30 - Microsoft Internet Explorer**
Shows the default Tomcat home page. The URL is <http://localhost:8080/>. The page features a yellow cat logo, navigation links for Administration, Documentation, and Tomcat Online, and a note about successful setup.
- Screenshot 2: Apache Tomcat 5.0.30 - Microsoft Internet Explorer**
Shows a "Connect to localhost" dialog box for the "Tomcat Manager Application". It prompts for a User name (admin) and Password, with a "Remember my password" checkbox. The background shows the same Tomcat home page as in Screenshot 1.
- Screenshot 3: manager - Microsoft Internet Explorer**
Shows the Tomcat Manager interface at <http://localhost:8080/manager/html>. The "List Applications" table displays various web applications and their status. The "Deploy" section allows for deploying new WAR files.

RESULT: These pages are accessed using the TOMCAT web server successfully.

PROGRAM-1.3**Install MySQL****DATE:****Aim: Step-by-Step guide for Installing MySQL On Windows**

You can download the MySQL database from the MySQL website <http://www.mysql.com> by clicking on the **downloads** tab. Scroll down to the MySQL database server & standard clients section and select the latest production release of MySQL, 5.1.35 at the time of writing.

Installation**of****MySQL**

Server Unzip the setup file and execute the downloaded MSI file. Follow the instructions below exactly when installing MySQL Server:



Click on the "setup"



Perform

a

typical

installation



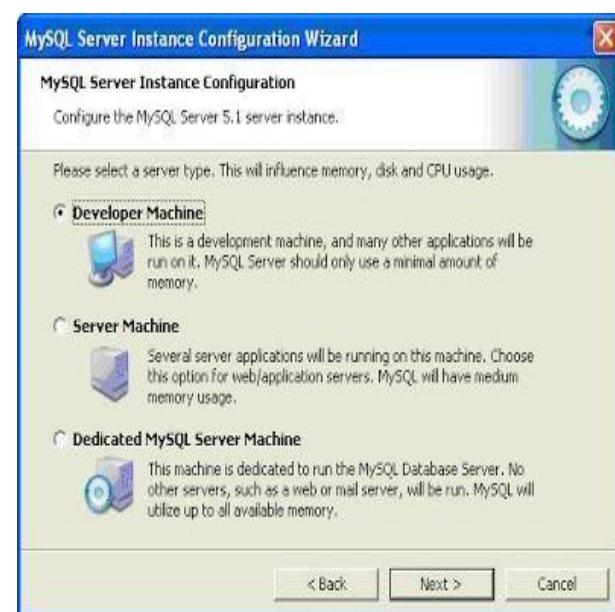
Check box to configure MySQL Server

If you checked the Configure the MySQL Server now check box on the final dialog of the MySQL Server installation, then the MySQL Server Instance Configuration Wizard will automatically start. Follow the instructions below carefully to configure your MySQL Server to run correctly with EventSentry.



Select

Detailed



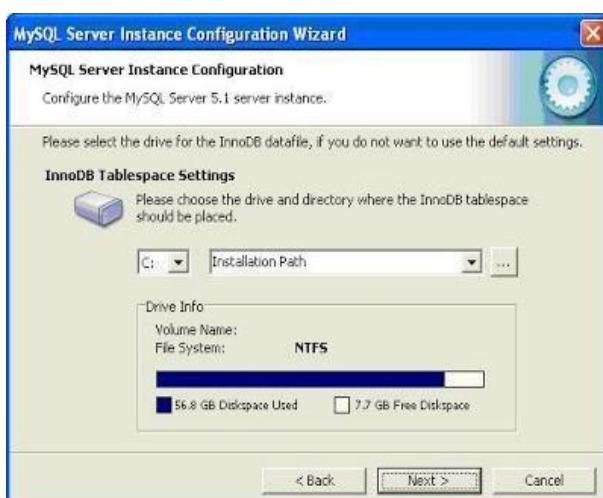
Configuration

I was installing it on my local machine where other applications & tools are running I decided to opt "developer machine" but it is recommended that you use a Dedicated MySQL Server Machine for your MySQL database, if this is not an option then select "Server Machine".

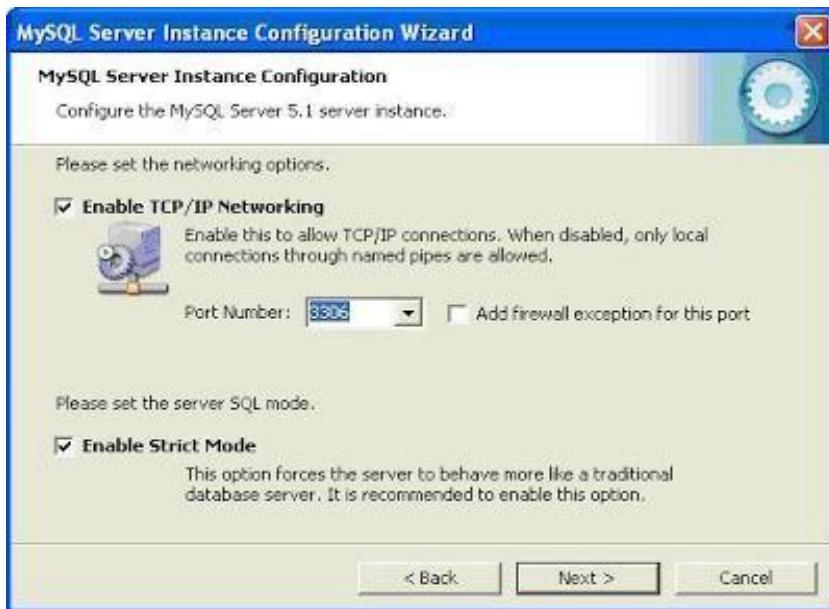
If you selected Dedicated MySQL Server Machine and your MySQL service does not start after the wizard completes, then try to re-run the wizard (or re-install) MySQL, but this time select the Server Machine option.



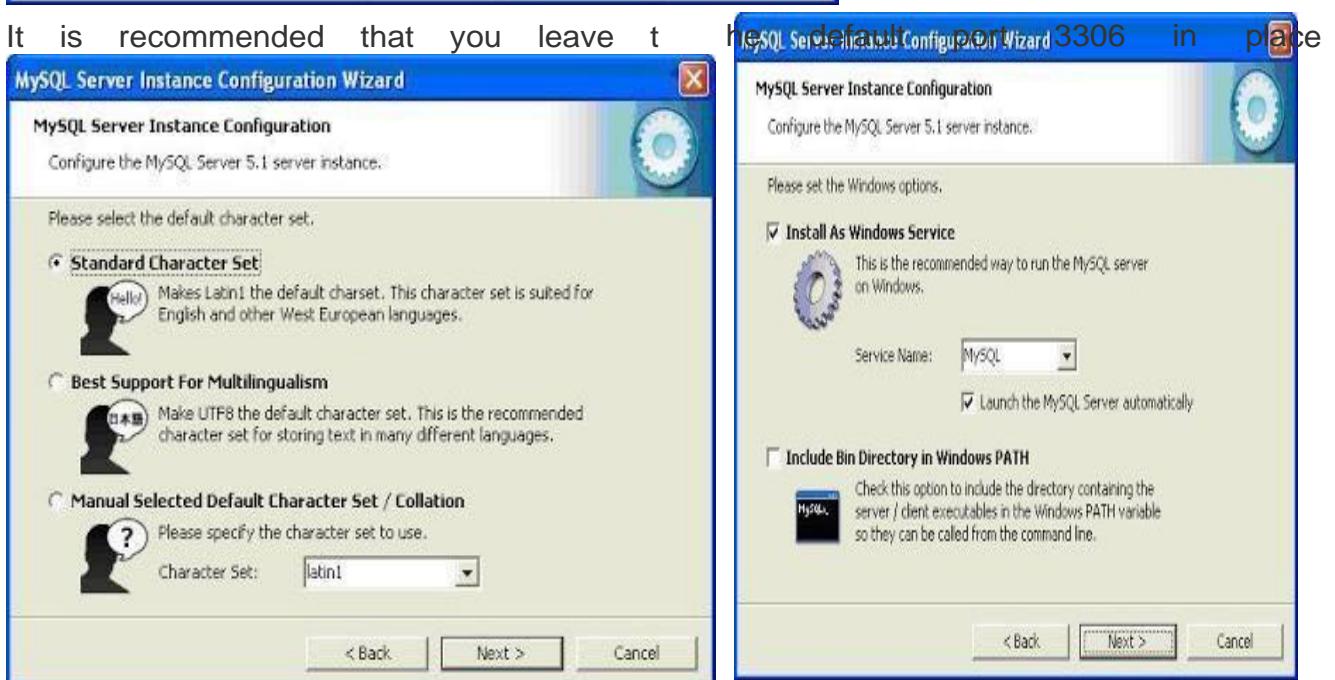
I have checked "Multifunctional databases" as I wanted MyISAM as default storage engine but if you want you can select "Transactional Database Only", this will make sure that InnoDB is the main storage engine. If you have checked 3rd option then only myISAM engine would be available.



Select the drive where the database files will be stored.
Select the drive on the fastest drive(s) on your server



It is recommended that you leave the

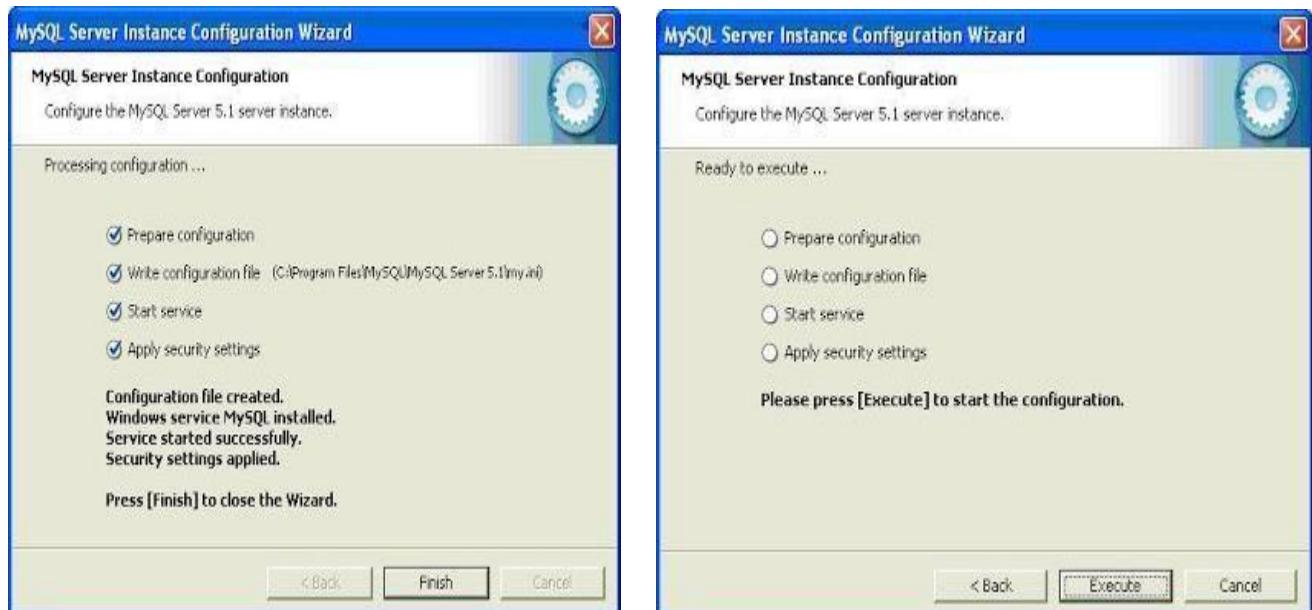


It is highly recommended that you run the MySQL Server as a Windows service (you can disable this if you want to start it manually whenever required) and include the binary directory in the search path.



Specify a secure root password; you may want to check the box Enable root access from remote machines if you plan on administering your MySQL server from your workstation or other servers.

If you are getting an error message after clicking the Next button, then please enable port 3306 in the Windows XP Firewall Settings



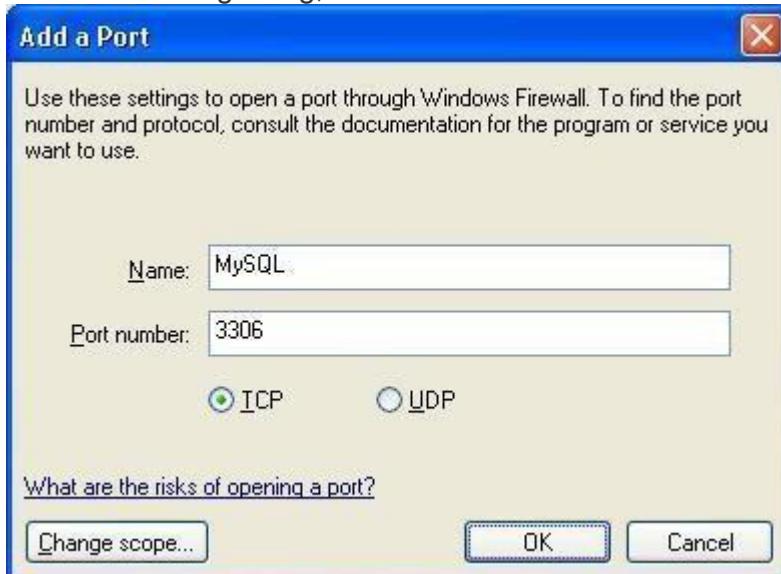
Done!!!

But if you are installing MySQL on a Windows XP workstation, or any other computer that has a firewall enabled, and the wizard fails with an error message similar to the one shown below (Can't connect to MySQL server on 'localhost'), then you will have to exclude the MySQL daemon from your firewall configuration



On Windows XP, you can exclude MySQL from the firewall by following the steps below:

1. Navigate to Start->Settings->Control Panel->Windows Firewall
2. In the resulting dialog, enter the information as shown in the screenshot



After clicking OK twice, return to the MySQL error message and select Retry. MySQL should now be able to create the instance correctly.

PROGRAM-1.4

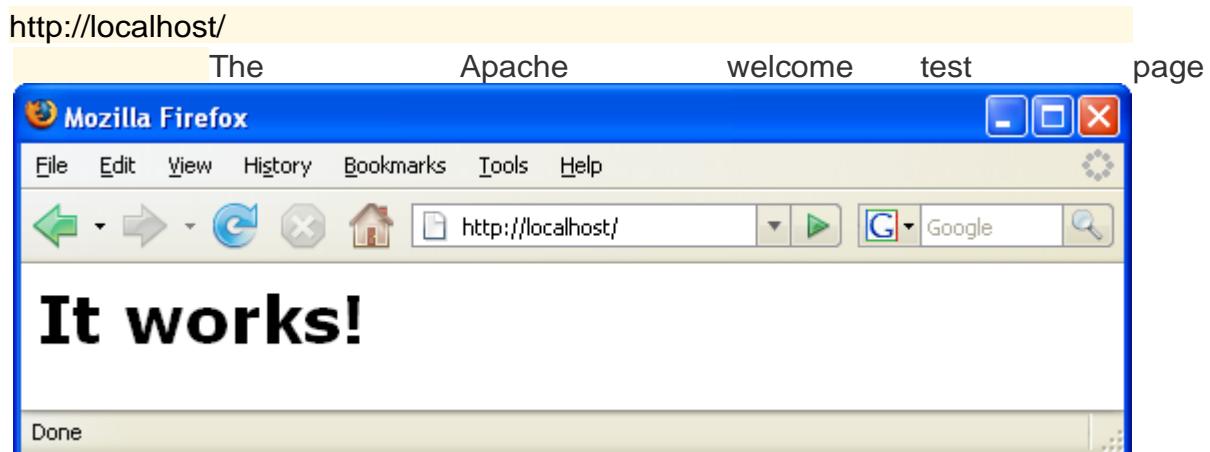
Install PHP

DATE:

Aim: Install PHP and configure to work with Apache Web Server and MySQL.

Apache HTTP Server

1. Download the [Apache2HTTPserver](#).
2. Run the installation file **.msi**. The installation wizard starts. Follow the instructions. On Microsoft Vista, do not install the Apache Server to the default location, which is in Program Files. All files in Program Files are write-protected.
3. When the installation is completed, restart the Apache server.
4. To check that the installation is successful, run the browser and enter the following URL:



Troubleshooting

By default, the Apache server listens to port 80. This port can be already used by other services, for example Skype. To solve the issue, change the port which the server listens to:

1. Open the Apache web server configuration file `httpd.conf`. By default the file is located in `C:\Program Files\Apache Software Foundation\Apache<version>\conf\`
2. Locate the line `Listen 80` and change the port number, for example 8080. Save the file.
3. Restart the Apache web server.
4. To check that the web server works, run the browser and enter the URL and specify the port number explicitly: `http://localhost:8080`

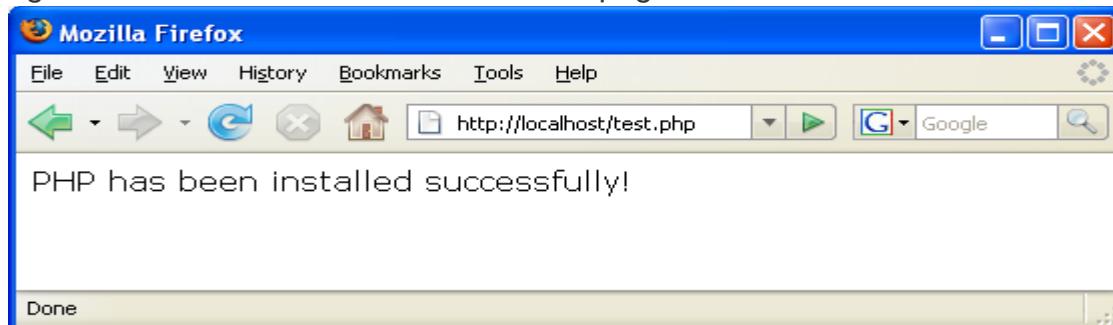
You can also stop the processes that possibly listen to port 80. In the Task Manager, select the relevant filename and click End Process.

PHP Engine

1. Download the [Windows binary installer](#) for the PHP5 version of your choice. **Important:** If there is no installer available for the version of PHP you want to install, you have to install it manually from the .zip file. See [Manual Instruction Steps](#) in the [php.net documentation](#).
2. When the download is complete, run the .msi installation file. The installation wizard starts.
3. On the Apache Configuration Directory panel, specify the directory where the **httpd.conf** file is located, the default setting is C:\Program Files\Apache Software Foundation\Apache<version>\conf\ . The PHP processing will be enabled automatically.
4. If you want to use the MySQL database server, choose the Complete installation option or select the MySQL and MySQLi items in the Extensions list.
5. After the installation is completed, restart the Apache server.
6. To check that the PHP engine has been installed successfully and PHP processing has been enabled in the Apache configuration:

Open Notepad or another text editor and Create a file and type the following text:

- <?php
echo "PHP has been installed successfully!";
?>
- Save the file in the htdocs folder as test.php. The default path is C:\Program Files\Apache Software Foundation\Apache<version>\htdocs\test.php
- Run the browser and enter the following URL: **http://localhost:<port>/test.php**. The following page opens:

**Troubleshooting**

If the page does not open:

1. Restart the Apache server.
2. Check that the Apache server configuration file httpd.conf contains the following lines:
3. AddType Application/x-httpd-php.php
LoadModule php5_module "c:/php/sapi/php5apache2_2.dll"
4. If the lines are missing, add them, save httpd.conf, and restart Apache.
5. Refresh the http://localhost:<port>/test.php page.

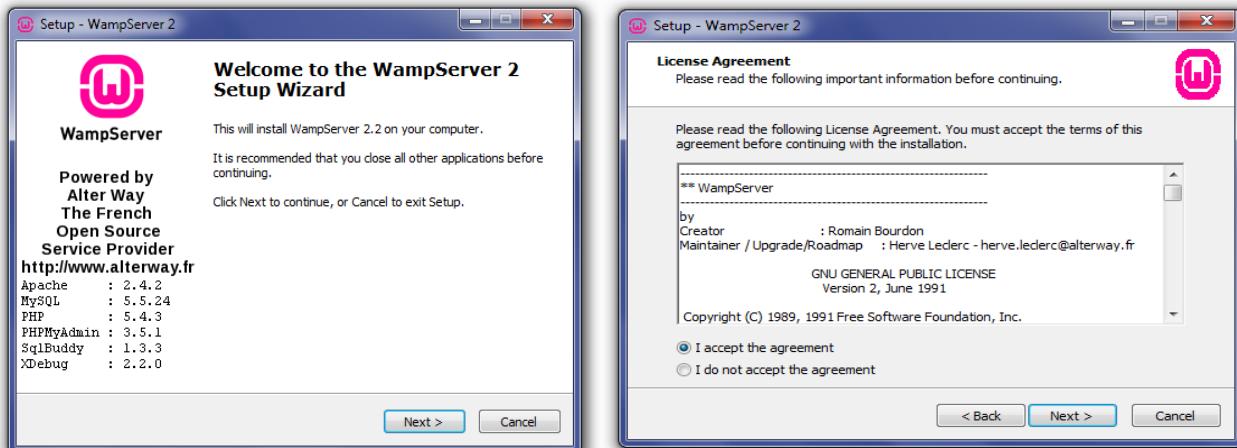
MySQL Database Server

Find detailed information on [installing and configuring the MySQL database server](#).

InstallationofWampServer2:

To start the installation process, you need to open the folder where you saved the file, and **double-click the installer file**. A security warning window will open, asking if you are sure you want to run this file. **Click Run** to start the installation process.

Next you will see the Welcome To The WampServer Setup Wizard screen. **Click Next** to continue the installation.



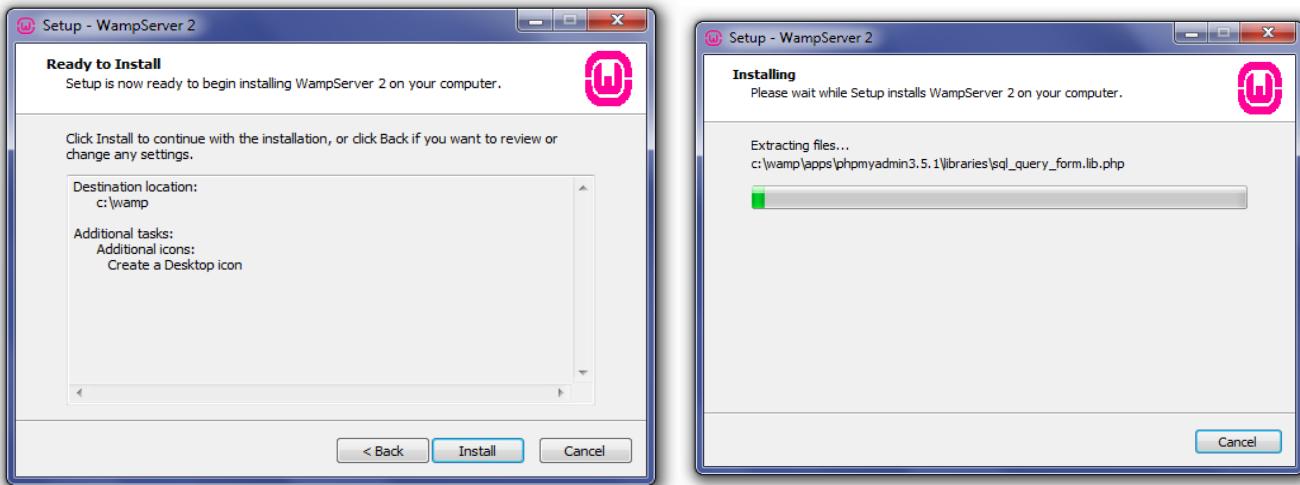
The next screen you are presented with is the License Agreement. Read the agreement, check the radio button next to **I accept the agreement**, then **click Next** to continue the installation.

Next you will see the Select Destination Location screen. Unless you would like to install WampServer on another drive, you should not need to change anything. **Click Next** to continue.

The next screen you are presented with is the Select Additional Tasks screen. You will be able to select whether you would like a QuickLaunch icon added to the taskbar or a Desktop icon created once installation is complete. Make your selections, then **click Next** to continue.

Next you will see the Ready To Install screen. You can review your setup choices, and change any of them by **clicking Back** to the appropriate screen, if you choose to. Once you have reviewed your choices, **click Install** to continue.

WampServer will begin extracting files to the location you selected.

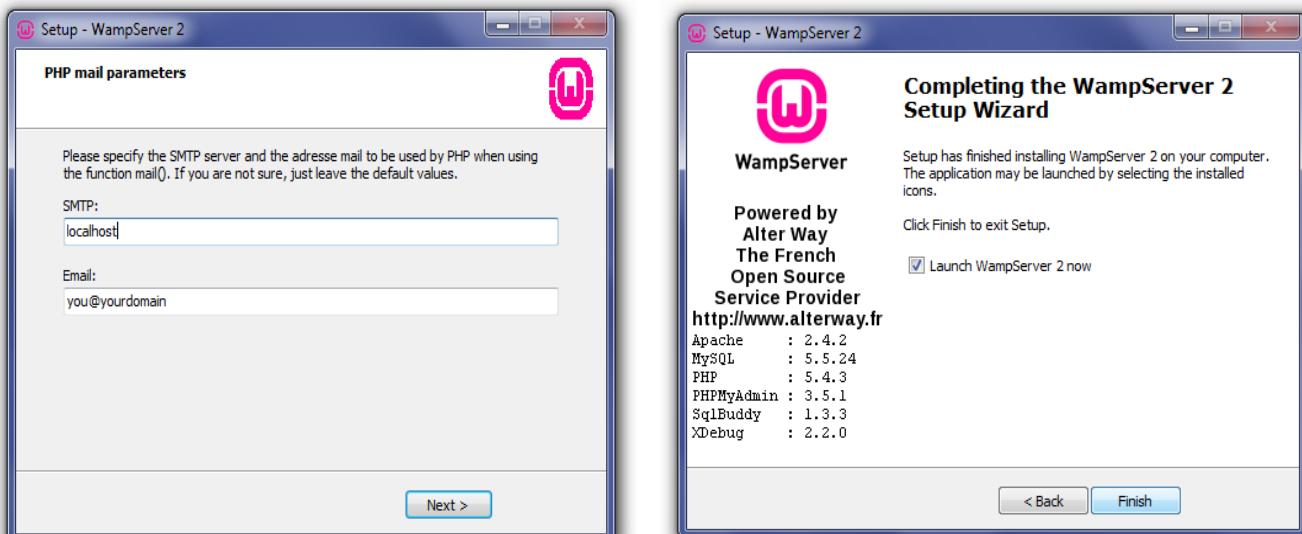


Once the files are extracted, you will be asked to select your default browser. WampServer defaults to Internet Explorer upon opening the local file browser window. If your default browser isn't IE, then look in the following locations for the corresponding .exe file:

- **Opera:** C:\Program Files(x86)\Opera\opera.exe
- **Firefox:** C:\Program Files(x86)\Mozilla Firefox\firefox.exe
- **Safari:** C:\Program Files(x86)\Safari\safari.exe
- **Chrome:** C:\Users\xxxxxx\AppData\Local\Google\Chrome\Application\chrome.exe

Select your default browser's .exe file, then **click Open** to continue. The Setup screen will appear next, showing you the status of the installation process.

Once the progress bar is completely green, the PHP Mail Parameters screen will appear. Leave the SMTP server as **localhost**, and change the email address to one of your choosing. **Click Next** to continue.



The Installation Complete screen will now appear. Check the **Launch WampServer Now** box, then click **Finish** to complete the installation.

Testing WampServer:

Once you have completed the installation process, test that your installation is working properly by going to <http://localhost> in your browser. You should see the WampServer homepage displayed.

PROGRAM-2**DATE:**

Aim: Write an HTML page including any required JavaScript that takes a number from one text field in the range of 0 to 999 and shows it in another text field in words. If the number is out of range, it should show “out of range” and if it is not a number, it should show “not a number” message in the result box.

Main.html

```
<html>
<head>
    <title>HTML-Convert numbers to words using JavaScript</title>
    <script src="src.js" type="text/javascript"></script>
</head>
<body>
    <h1>
        HTML-Convert numbers to words using JavaScript</h1>
    <input id="Text1" type="text" onkeypress="return
onlyNumbers(this.value);"onkeyup="NumToWord(this.value,'divDisplayWords');"maxlength="4"style="background-color:#efefef; border:2px solid #CCCCC; font-size:large" />
    <br/>
    <br/>
    <div id="divDisplayWords" style="font-size:13px; color:Teal; font-family:Arial;">
    </div>
</body>
</html>
```

Src.js

```
function onlyNumbers(evt){
    var e = event || evt; // For IE and FF
    var keyCode = e.which || e.keyCode;
    if (keyCode > 31 && (keyCode < 48 || keyCode > 57)) return false;
    return true;
}

function NumToWord(inputNumber, outputControl) {
    var str = new String(inputNumber);
    var splt = str.split("");
    var rev = splt.reverse();
    var once = ['Zero', 'One', 'Two', 'Three', 'Four', 'Five', 'Six', 'Seven', 'Eight', 'Nine'];
    var two = ['Ten', 'Eleven', 'Twelve', 'Thirteen', 'Fourteen', 'Fifteen', 'Sixteen', 'Seventeen', 'Eighteen', 'Nineteen'];
    var tens = ['', 'Ten', 'Twenty', 'Thirty', 'Forty', 'Fifty', 'Sixty', 'Seventy', 'Eighty', 'Ninety'];

    numLength = rev.length;
    word = newArray();
    for (var i = 0; i < numLength; i++) {
        if (rev[i] == '') continue;
        if (i == 0) {
            word[0] = once[parseInt(rev[i])];
        } else if (i == 1) {
            word[1] = two[parseInt(rev[i])];
        } else if (i == 2) {
            word[2] = tens[parseInt(rev[i])];
        } else if (i == 3) {
            word[3] = once[parseInt(rev[i])];
        }
    }
    outputControl.value = word.join(' ');
}
```

```
varj=0;
for(i=0;i<numLength;i++){

    switch(i)
    {
        case0:
            if((rev[i]==0)|| (rev[i+1]==1)){word[
                j]="";
            }
            else{
                word[j]=once[rev[i]];
            }
            word[j]=word[j];
            break;

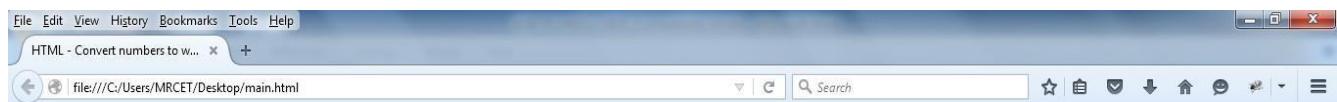
        case1:
            aboveTens();br
            eak;

        case2:
            if(rev[i]==0){
                word[j]="";
            }
            elseif((rev[i-1]==0)|| (rev[i-
                2]==0)){word[j]=once[rev[i]]+"Hundred
                ";
            }
            else{
                word[j]=once[rev[i]]+"Hundredand";
            }
            break;

        case3:
            document.write("NumberOutofRange");break;

        default:
            break;
    }
    j++;
}
functionaboveTens(){
    if(rev[i]==0){word[j]="";}
    elseif(rev[i]==1){word[j]=twos[rev[i-
        1]];}else{word[j]=tens[rev[i]];}
}
word.reverse();
```

```
var finalOutput="";
for (i = 0; i < numLength; i++)
    {finalOutput=finalOutput+word[i];
}
document.getElementById(outputControl).innerHTML=finalOutput;
}
```

OUTPUT:

HTML - Convert numbers to words using JavaScript

Nine Hundred and Ninety Nine



HTML - Convert numbers to words using JavaScript

undefined



HTML - Convert numbers to words using JavaScript

One Hundred and Twenty Three



Number Out of Range

Signatureofthefaculty

PROGRAM-3**DATE:**

Aim: Write a HTML page that has one input, which can take multi-line text and a submitbutton. Once the user clicks the submit button, it should show the number of characters,words and lines in the text entered using an alert message. Words are separated with whitespacesandlinesareseparatedwithnewlinecharacter.

count.html

```

<html>
<head>
<script>
functioncountWords(str)
{
    varcount=0;words=
    str.split("");
    for(i=0;i<words.length;i++){
        //innerloop --
        dotheCountif(words[i]!="")
        count+=1;
    }
    document.theForm.results.value="There are "+count+" words in the text string you entered!";
}
functioncountLines()
{
    vararea=document.getElementById("texta");
    //trim trailing return char if exists var text
    =area.value.replace(/\s+$/g,"");
    varsplit
    =text.split("\n");
    returnsplit.length;
}
function
countit(what){formcontent=what.form.inStr.valuewhat.f
orm.displayCount.value=formcontent.length
}
</script>
</head>
<body>
<h1><fontcolor="purple">COUNT TOTAL NUMBER OF WORDS CHARACTERS AND
    LINES</font></h1>
<formname="theForm">E
    nter text string:
    <textareaname="inStr" id="texta" rows=5cols=15>
    </textarea>
    <inputtype=buttonvalue="CountWords"
        onClick="countWords(document.theForm.inStr.value)";>

```

```
<inputtype=buttonname="theButton"value="ClearResults"
    onClick='document.theForm.results.value="";>
<br>
<textareaname=resultsrows=5cols=90>
</textarea>
<table>
<tr>
<tdwidth="100%"><divalign="right"><p><inputtype="button"value="CalculateCharacters"onClick="cou
    tit(this)"><inputtype="text"name="displaycount"size="20"></p>
</div></td>
</tr>
</table>
<br>
<buttononclick="alert(countLines())">CountLines</button>
</form>
</body>
</html>
```

OUTPUT:

Signatureofthefaculty

PROGRAM-4**DATE:**

Aim: Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size).

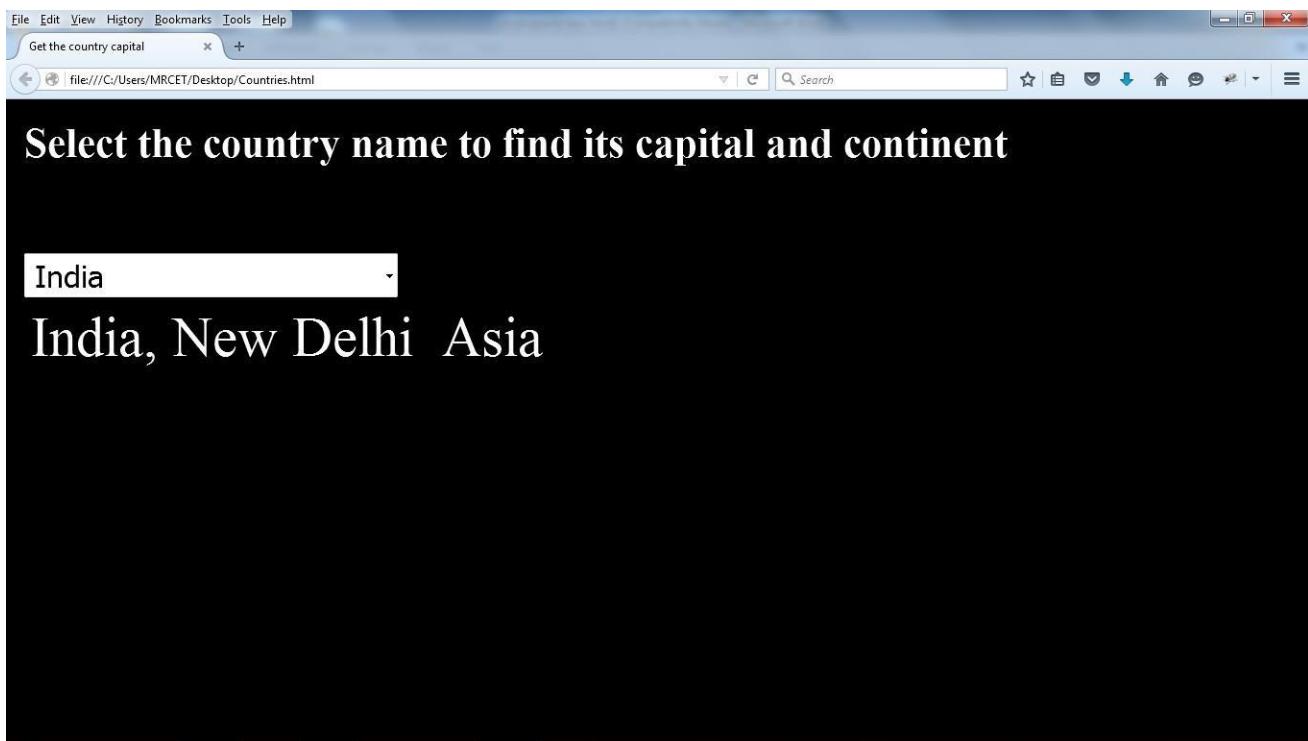
Countries.html

```

<html>
<head>
<title>Get the country capital</title>
</head>
<body bgcolor="black" onload="document.getElementById('myedit').value=''">
<font color="white" size="4"><b>Select the country name to find its capital and continent</b></font><br/><br/>
<br>
<select<input type="text" class="resizedTextbox" id="myedit" onchange="editChange()" onkeyup="editChange()"/>>
<option>SelectCountry</option>
<option>Germany</option>
<option>United States of America</option>
<option>India</option>
<option>United Kingdom</option>
<option>France</option>
</select>
<div id="result">&nbsp;</div>
<script type="text/javascript">
//country,capital,continent var
cName=new Array();
cName[0]='Germany,Berlin,Europe';
cName[1]='United States of America,Washington DC,North America';cName[2]='India,New Delhi,Asia';
cName[3]='United Kingdom,London,Europe';cName[4]= 'France,Paris,Europe';
function editChange(){
obj=document.getElementById('myedit');
s=obj.value.toLowerCase();
res="";
for(i=0;i<cName.length;i++){
s2=cName[i].toLowerCase().substr(0,s.length);if(s2==s && s!=""){
sp=cName[i].split(',');

```

```
res+='table&gt;&lt;tr&gt;&lt;td&gt;&lt;fontcolor="white"&gt;
size="5"&gt;'+sp[0]+','+sp[1]+'&ampnbsp;&ampnbsp;'+sp[2]+'&lt;font&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/table&gt;';
}
}
document.getElementById('result').innerHTML=res=='?'&lt;fontcolor="white"size="5"&gt;&lt;i&gt;&ampnbsp;
;Notfound&lt;/i&gt;&lt;/font&gt;':res;
}
&lt;/script&gt;
&lt;/body&gt;
&lt;/html&gt;</pre
```

OUTPUT:**Signatureofthefaculty**

PROGRAM-5**DATE:**

Aim: Create and save an XML document at the server, which contains 10 users information. Write a program which takes User Id as input and returns the user details by taking the user information from the XML document.

User.xml

```
<?xmlversion="1.0"?>
<userlist>
    <user>
        <userid>usr01</userid>
        <username>Sampath</username>
        <address>kurnool</address>
        <phone>9701109715</phone>
        <email>osk@gmail.com</email>
    </user>
    <user>
        <userid>usr02</userid>
        <username>Amar</username>
        <address>Nandyal</address>
        <phone>9888888888</phone>
        <email>amar@gmail.com</email>
    </user>
    <user>
        <userid>usr03</userid>
        <username>Sivaram</username>
        <address>AyyaluriMetta-NDL</address>
        <phone>9866666666</phone>
        <email>sivaram@yahoo.com</email>
    </user>
    <user>
        <userid>usr04</userid>
        <username>Mallikarjuna</username>
        <address>Zillella</address>
        <phone>9835994445</phone>
        <email>Mallikarjun@yahoo.com</email>
    </user>
    <user>
        <userid>usr05</userid>
        <username>Ramana</username>
        <address>NGOC-NDL</address>
        <phone>968877555</phone>
        <email>hcvraramana@yahoo.com</email>
    </user>
```

```
<user>
    <userid>usr06</userid>
    <username>PSreekanth</username>
    <address>Allagadda</address>
    <phone>968875554</phone>
    <email>Psrikanth@yahoo.com</email>
</user>

<user>
    <userid>usr07</userid>
    <username>YAnitha</username>
    <address>Alg-NDL</address>
    <phone>968888554</phone>
    <email>YAnitha@yahoo.com</email>
</user>

<user>
    <userid>usr08</userid>
    <username>Sravanthi</username>
    <address>Nunepalli-NDL</address>
    <phone>968878554</phone>
    <email>Sravanthi@yahoo.com</email>
</user>

<user>
    <userid>usr09</userid>
    <username>Bindukala</username>
    <address>ALG-NDL</address>
    <phone>968899554</phone>
    <email>bindu@yahoo.com</email>
</user>

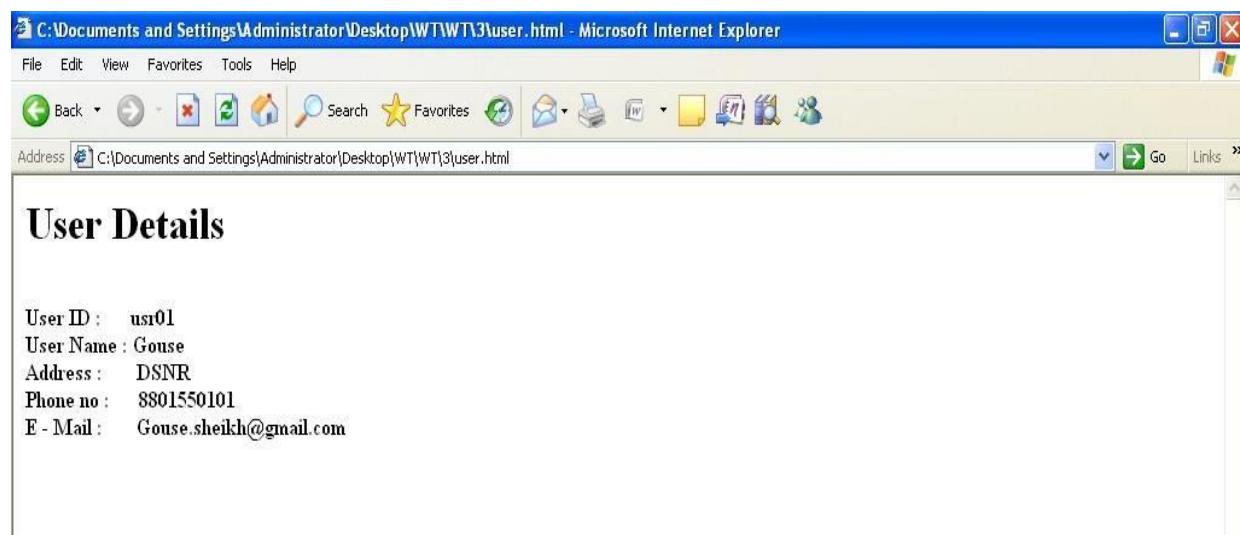
<user>
    <userid>usr10</userid>
    <username>Deekshitha</username>
    <address>Kurnool</address>
    <phone>9088008554</phone>
    <email>Deekshitha@gmail.com</email>
</user>

</userlist>
```

User.html

```
<html>
  <head>
    <scriptlanguage="javascript">function
      nfncDisplayInfo()
    {
      var xhttp=null;
      varflag=0;
      varuserid=document.frm.uname.value;
      varxmlDoc=new ActiveXObject("microsoft.xmlDOM");
      xmlDoc.load("user.xml");
      varnoOfUsers=xmlDoc.getelementsByTagName("userlist")[0].childNodes.length;
      for(var
        i=0;i<parseInt(noOfUsers);i++)
      {
        varuid
        =xmlDoc.getelementsByTagName("user")[i].childNodes[0].childNodes[0].nodeValue;
        if
          (uid==userid)
        {
          document.write("<h1>UserDetails</h1>");
          ruserName=
          xmlDoc.getelementsByTagName("user")[i].childNodes[1].childNodes[0].nodeValue;
          rAddress
          =xmlDoc.getelementsByTagName("user")[i].childNodes[2].childNodes[0].nodeValue;
          var phone
          =xmlDoc.getelementsByTagName("user")[i].childNodes[3].childNodes[0].nodeValue;
          varemail=xmlDoc.getelementsByTagName("user")[i].childNodes[4].childNodes[0].nodeValue;
          document.write("<br><b>User ID
          :&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;"+uid)document.write("<br>UserName:&nb
          sp"+userName);document.write("<br>Address:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
          "+Address);document.write("<br>Phone no :
          &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;+phone);document.write("<br>E-
          Mail:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;+email);
          flag=1;
          break;
        }
      }
      if(flag==0)
      {
        alert("InValidUser");
      }
    }
  </script>
  </head>
  <body>
    <center>
```

```
<h1><b>UserInformation</h1>
<formname="frm">
    UserID:<inputtype="text"name="uname"><br>
<inputtype="button"name="btn"value="Submit"onclick="fncDisplayInfo()">
</form>
</center>
</body>
</html>
```

OUTPUT:**Signatureofthefaculty**

PROGRAM:6**DATE:**

AIM: A simple calculator application that takes two numbers and an operator (+, -, *, /, %) from an HTML page and returns the result page with the operation performed on the operands.

Calculator.html (HTML with JavaScript)

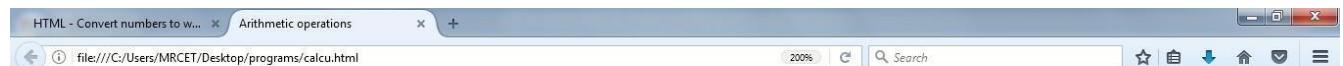
```

<html>
<head>
<title>Arithmetic operations</title>
</head>
<script type="text/javascript">
function Addition()
{
x=parseFloat(calc.value1.value);y=parseFloat(calc.value2.value);z=(x+y);
alert("The Addition result is"+z);calc.value3.value=z
}
function Subtraction()
{
var x,y,z;x=calc.value1.value;y=calc.value2.value;z=x-y;
alert("The subtraction result is"+z);calc.value3.value=z
}
function Multiplication()
{
var x,y,z;x=calc.value1.value;y=calc.value2.value;z=x*y;
alert("The Multiplication result is "+z);calc.value3.value=z
}
function Division()
{
var x,y,z;

```

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```
x=calc.value1.value;
y=calc.value2.value;
z=x/y;
alert("The subtraction result is "+z);calc.value3.value=z
}
</script>
</head>
<body>
<form name="calc">
<h1>Online Calculator</h1>
Enter first Numeric Value : <input type="number"
id="value1"><br>Enter Second Numeric Value : <input type="number" id="v
alue2"><br>
<br>Result of the Arithmetic operation is : <output type="number" id="value3"></output><br>
<input type="button" Value="Addition" onClick=Addition()><br>
<input type="button" Value="Subtraction" onClick=Subtraction()><br>
<input type="button" Value="Multiplication" onClick=Multiplication()><br>
<input type="button" Value="Division" onClick=Division()><br>
</form>
</body>
</html>
```

OUTPUT:

Online Calculator

Enter first Numeric Value :

Enter Second Numeric Value :

Result of the Arithmetic operation is : 70

Signature of the faculty

PROGRAM:7**DATE:****AIM:CalculatorusingServletC****alculateServlet.html**

```

<html>
<head>
<title>Calculatorinservlet</title>
</head>
<body>
    <form method="get"
        action=".//CalculateServlet">Number1:<input type="text"
        name="no1"><br>Number2:<input type="text" name="no2"><br>Operator:
        <select name="opt">
            <option value="a">+</option>
            <option value="s">-</option>
            <option value="m">*</option>
            <option value="d">/</option>
            <option value="mod">%</option>
        </select>
        <br>
        <input type="submit" value="Go">
    </form>
</body>
</html>

```

CalculateServlet.java

```

import
java.io.*;importjavax.s
ervlet.*;
//importjavax.servlet.http.*;

public class CalculateServlet extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException,
    ServletException
    {
        display();
        PrintWriter out = response.getWriter();
        //out.println("hello");
        String n1 = request.getParameter("no1");String n2 =
        request.getParameter("no2");String opt=requ
        est.getParameter("opt");if(opt.equals(
        "a"))

```

```

        out.println(Integer.parseInt(n1)+Integer.parseInt(n2));else
        if(opt.equals("s"))
            out.println(Integer.parseInt(n1)-
        Integer.parseInt(n2));elseif(opt.equals("m"))
            out.println(Integer.parseInt(n1)*Integer.parseInt(n2));elsei
        f(opt.equals("d"))
            out.println(Integer.parseInt(n1)/Integer.parseInt(n2));elsei
        f(opt.equals("mod"))
            out.println(Integer.parseInt(n1)%Integer.parseInt(n2));
    }
    publicvoiddoGet(HttpServletRequestrequest,HttpServletResponseresponse)throwsIOException,S
    ervletException
    {
        doPost(request,response);
    }
}

```

web.xml

```

<?xmlversion="1.0"encoding="ISO-8859-1"?>
<web-appmetadata-complete="true">
    <display-name>TomcatManagerApplication</display-name>
    <description>
        A scriptablemanagementwebapplication forthe Tomcat Web
        Server;Managerletsyouview,load/unload/etcparticularwebapplications.
    </description>
    <servlet>
        <servlet-name><strong>CalculateServlet</strong></servlet-name>
        <servlet-class><strong>CalculateServlet</strong></servlet-class>
    </servlet>
    <!--DefinetheManagerServletMapping-->
    <servlet-mapping>
        <servlet-name><strong>CalculateServlet</strong></servlet-name>
        <url-pattern><strong>CalculateServlet</strong></url-pattern>
    </servlet-mapping>
</web-app>

```

OUTPUT:

Signature of the faculty

PROGRAM:8**DATE:****AIM:Calculator using PHP scripting language Calculat****e.php:**

```
<?phpini_set('display_error',0);
if(isset($_REQUEST['calculate']))
{
$operator=$_REQUEST['operator'];
if($operator=="+")
)
{
$add1=$_REQUEST['fvalue'];
$add2=$_REQUEST['lvalue'];
$res=$add1+$add2;
}
if($operator=="-")
{
$add1=$_REQUEST['fvalue'];
$add2=$_REQUEST['lvalue'];
$res=$add1-$add2;
}
if($operator=="*")
{
$add1=$_REQUEST['fvalue'];
$add2=$_REQUEST['lvalue'];
$res=$add1*$add2;
}
if($operator=="/")
{
$add1=$_REQUEST['fvalue'];
$add2=$_REQUEST['lvalue'];
$res=$add1/$add2;
}
if($_REQUEST['fvalue']==NULL&&$_REQUEST['lvalue']==NULL)
{
echo"<scriptlanguage=javascript>alert(\"PleaseEntervalues.\");</script>";
}
elseif($_REQUEST['fvalue']==NULL)
{
echo"<scriptlanguage=javascript>alert(\"PleaseEnterFirstvalue.\");</script>";
}
elseif($_REQUEST['lvalue']==NULL)
{
echo"<scriptlanguage=javascript>alert(\"PleaseEntersecondvalue.\");</script>";
}
```

```
}

?>
<html>
<body>
<center>
<h1>CALCULATORINPHP</h1>
<form>
<tablestyle="border:groove#00FF99">
    <tr>
        <tdstyle="background-color:aqua;color:red;font-family:'TimesNewRoman'">EnterFirstNumber</td>
        <tdcolspan="1">

            <inputname="fvalue" type="text" style="color:red"/></td>
    <tr>
        <tdstyle="color:brown;font-family:'TimesNewRoman'">SelectOperator</td>
        <td>
            <selectname="operator" style="width:63px">
<option>+</option>
<option>-</option>
<option>*</option>
<option>/</option>
</select>
</td>
    </tr>
    <tr>
        <tdstyle="background-color:aqua;color:red;font-family:'TimesNewRoman'">EnterFirstNumber</td>
        <tdclass="auto-style5">
            <inputname="lvalue" type="text" style="color:red"/></td>
    </tr>
    <tr>
        <td></td>
        <td><inputtype="submit" name="calculate" value="Calculate" style="color:wheat;background-color:rosybrown" /></td>

    </tr>
    <tr>
        <tdstyle="background-color:aqua;color:red">Output=</td>
        <tdstyle="color:darkblue"><?phpecho$res;?></td>
    </tr>
</table>
</form>
</center>
</body>
</html>
```

OUTPUT1:**CALCULATOR IN PHP**

Enter First Number	20
Select Operator	+
Enter First Number	20
<input type="button" value="Calculate"/>	
Output =	

**CALCULATOR IN PHP**

Enter First Number	
Select Operator	+
Enter First Number	
<input type="button" value="Calculate"/>	
Output =	40

OUTPUT2:**Signatureofthefaculty**

PROGRAM:9**DATE:**

AIM: A web application takes a name as input and on submit it shows a hello <name> page where <name> is taken from the request. It shows the start time at the right top corner of the page and provides the logout button. On clicking this button, it should show a log out page with Thank You <name> message with the duration of usage. (Uses session to store name and time).

Login.jsp

```

<html>
<head>
</head>
<body>
<%
String logTime=request.getParameter("logtime");if(l
ogTime != null)
{session.setAttribute("loggedIn",logTime);
}
String pname=request.getParameter("pName");if(p
name!=null){
session.setAttribute("pname",pname);
}
String duration=request.getParameter("duration");if(
duration!=null){session.setAttribute("duration",du
ration);
}
%>

<FORM NAME="form1" METHOD="POST">
Please Enter Name:
<input type="text" name="tname"/><br></p>
<input type="submit" value="Submit" onclick="showTime()" />
<input type="hidden" name="pName" value="" />
<input type="hidden" name="duration" value="" />
<input type="hidden" name="logtime" value="" />
</FORM>

<SCRIPT LANGUAGE="JavaScript">

function showTime()

```

```
{  
    varname=document.form1.tname.value;do  
    cument.write("Hello " +  
    name);document.form1.pName.value=na  
    me;  
  
    vartime=newDate();  
varloggedInTime=time.getHours()+":"+time.getMinutes()+":"+time.getSeconds();document.write("<br>"  
    +"TheLoggedinTime:"+loggedInTime);  
  
    document.form1.logtime.value=loggedInTime;  
  
    varbuttonnode=document.createElement("input");buttonnode.setAttribute("typ  
e","button");buttonnode.setAttribute("name","logout");buttonnode.setAttribute("value","LogOut");  
  
    buttonnode.attachEvent("OnClick", showLoggedInDuration());  
  
}  
functionshowLoggedInDuration()  
{  
    vartime=newDate();  
    varloggedInTime = time.getHours() + ":" + time.getMinutes() +  
    ":" + time.getSeconds();  
    document.write("<br>" + "TheLoggedinTime:" + loggedInTime);  
  
    varloggedInTime=document.form1.logtime.value;var  
    duration = loggedInTime -  
    loggedInTime;document.form1.duration.value=dur  
    ation;  
  
    document.location.href="x.jsp";  
}  
</SCRIPT>  
</body>  
</html>
```

Result.jsp

```
<html>
<body>
<%
    String name =
    sessio.getAttribute("pname");Stringduration=requ
    st.getAttribute("duration");

%>
<header>
<h2>Thankyou"${name}"</h2>
<br>
<h2>Thetotalsessiondurationis:"${duration}"</h2>
</header>
</body>
</html>
```

OUTPUT:

PROGRAM:10 Using PHP

DATE:

AIM: A web application that takes name and age from an HTML page. If the age is less than 18, it should send a page with "Hello <name>, you are not authorized to visit this site" message, where <name> should be replaced with the entered name. Otherwise it should send "Welcome<name>tothissite" message.

main.html

```
<html>
<body>
<form action="welcome.php" method="post">Name
 : <input type="text" name="name"
 />Age:<input type="text" name="age"/>
 <input type="submit"/>
</form>
</body>
</html>
```

welcome.php

```
<html>
<body>
<?php
if($_POST["name"]||$_POST["age"])
{
    if($_POST["age"]>=18)
    {
        echo"Welcome".$_POST['name']."'tothissite'""<br/>";echo"You are".$_POST['age']."'years old.'";
        exit();
    }
    else
    {
        echo"Hello".$_POST['name']."'you are not authorized to visit this site'";
        exit();
    }
}
?>
</body>
</html>
```

Output1:

Name: Age:

Welcome! You are 18 years old.

Output2:

Name: Age:

Hello! You are not authorized to visit this site.

Signature of the faculty

PROGRAM:11**DATE:****AIM:** A web application for implementation of Username and Password

The user is first served a login page which takes user's name and password. After submitting the details the server checks these values against the data from a database and takes the following decisions.

If name and password matches serves a welcome page with user's full name. If name and password doesn't match, then serves "password mismatch" page. If name is not found in the database, serves a registration page, where user's full name is asked and on submitting the full name, it stores the login name, password and full name in the database (hint: uses session for storing data, submitted login name and password).

Registration.html:

```
<html>
<head>
<title>Registrationpage</title>
</head>
<bodybgcolor="#00FFFF">
<formMETHOD="POST" ACTION="register">
<CENTER>
<table>
<center>
<tr><td>Username</td>
<td><inputtype="text" name="usr"></td></tr>
<tr><td>Password</td>
<td><inputtype="password" name="pwd"></td></tr>
<tr><td>Age</td>
<td><inputtype="text" name="age"></td></tr>
<tr><td>Address</td>
<td><inputtype="text" name="add"></td></tr>
<tr><td>email</td>
<td><inputtype="text" name="mail"></td></tr>
<tr><td>Phone</td>
<td><inputtype="text" name="phone"></td></tr>
<tr><tdcolspan=2 align=center><inputtype="submit" value
="submit"></td></tr>
</center>
</table>
</form></body></html>
```

Login.html

```

<html>
<head>
<title>Registrationpage</title>
</head>
<bodybgcolor=pink><center><table>
<formMETHOD="POST"ACTION="authent">
<tr><td>Username</td>
<td><inputtype="text"name="usr"></td></tr>
<tr><td>Password</td>
<td><inputtype="password"name="pwd"></td></tr>
<tr><tdalign=centercolspan="2"><input
type="submit"value="submit"></td></tr>
</table></center>
</form>
</body>
</html>

```

Ini.java:

```

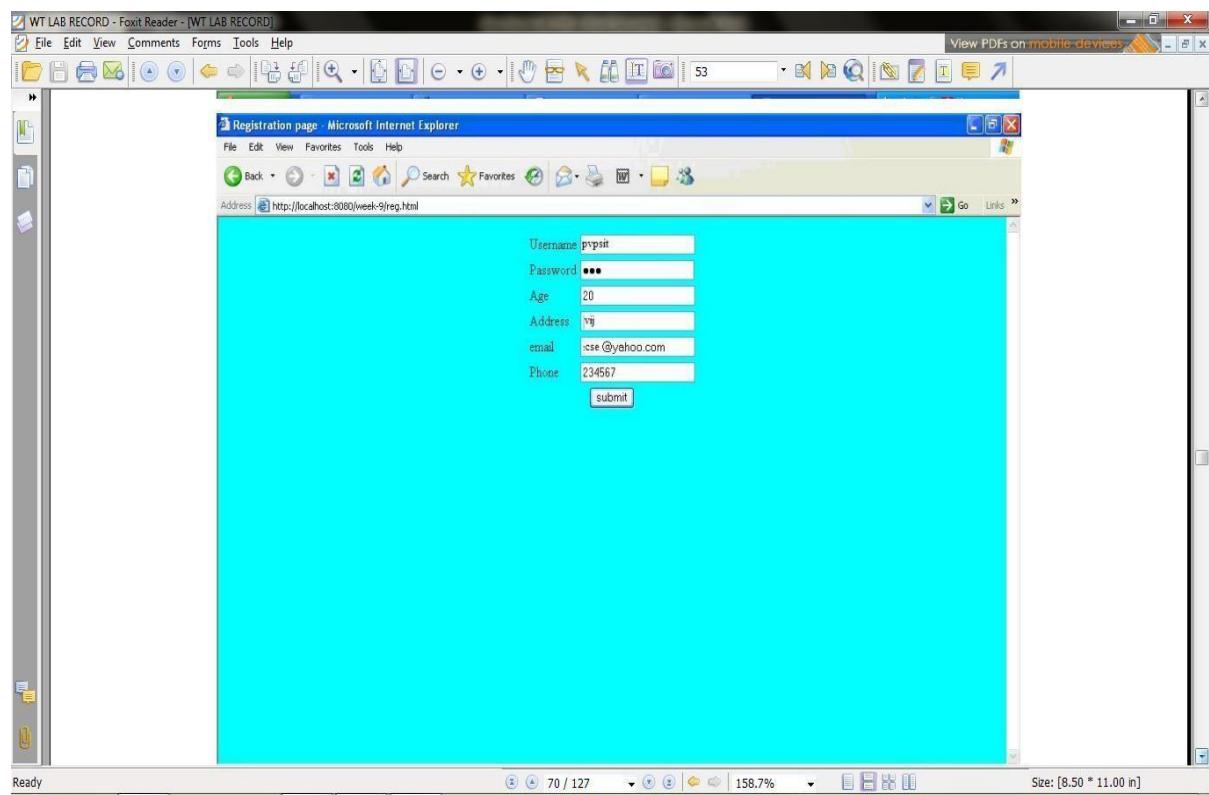
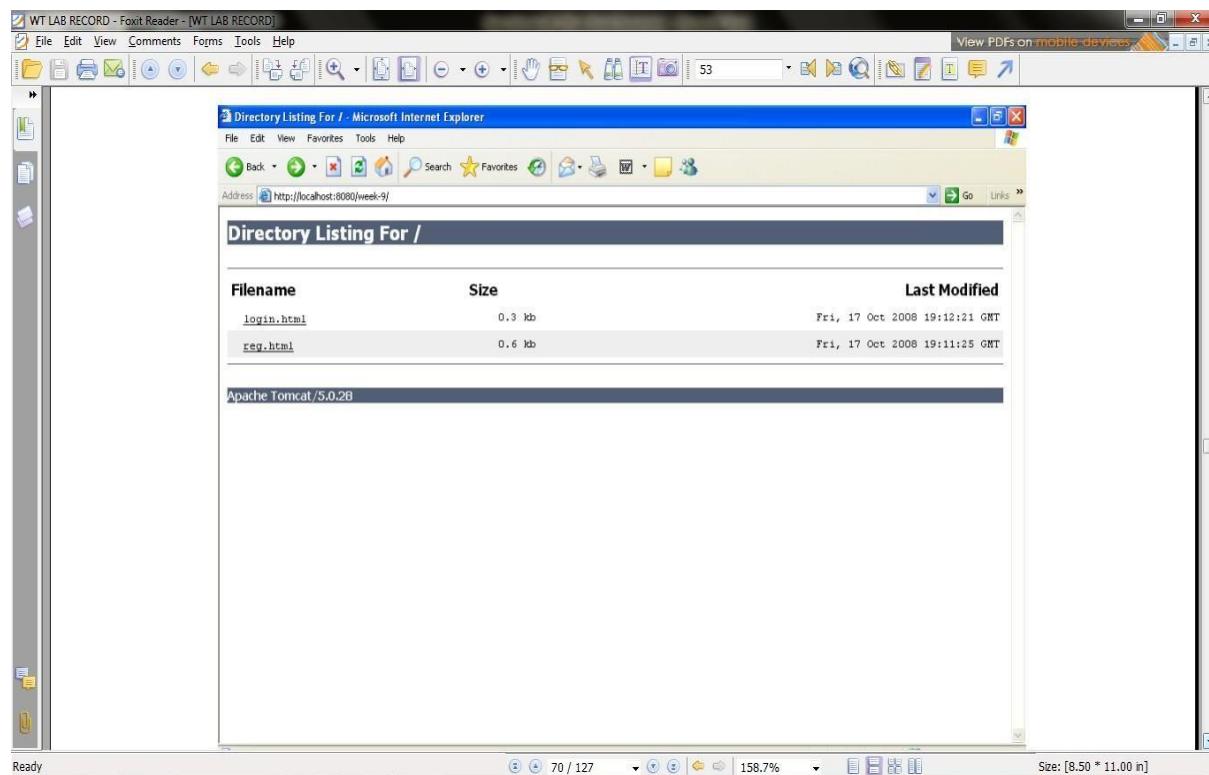
importjavax.servlet.*;i
mport
java.sql.*;importjava.i
o.*;
publicclassIniextendsGenericServlet
{
privateStringuser1,pwd1,email1;
publicvoid
service(ServletRequestreq,ServletResponseres)throwsServletException,IOException
{
user1=req.getParameter("user");pwd1=r
eq.getParameter("pwd");email1=req.getP
arameter("email");res.setContentType("te
xt/html");PrintWriterout=res.getWriter();
try
{
Class.forName("oracle.jdbc.driver.OracleDriver");Conn
ectioncon=
DriverManager.getConnection("jdbc:oracle:thin:@195.100.101.158:1521:cclab","scott","tiger");PreparedSt
atement st=con.prepareStatement("insertintopersonalvalues(?,?,?,?,?,?)");st.setString(1,user1);

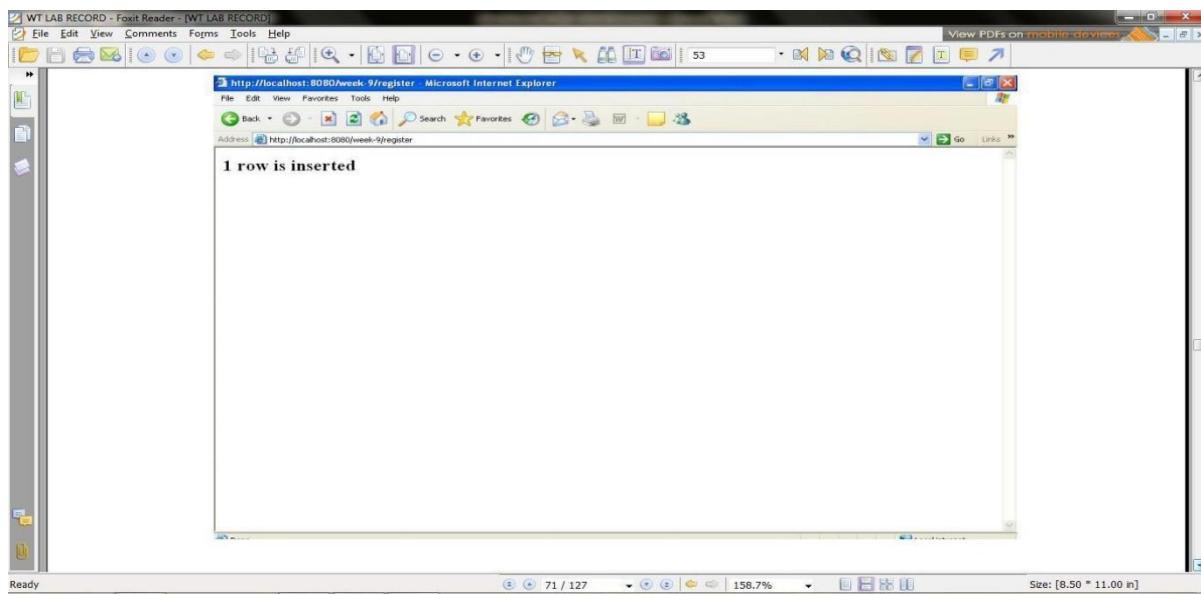
```

```
st.setString(2, pwd1); st.set
String(3, "25");
st.setString(4, "hyd"); st.se
tString(5, email1);
st.setString(6, "21234"); st.
executeUpdate(); con.clo
se();
}
catch(SQLExceptions)
{out.println("notfound"+s);
}
catch(ClassNotFoundExceptionc)
{
    out.println("notfound"+c);
}
}
}
}
```

web.xml:

```
<web-app>
<servlet>
<servlet-name>init1</servlet-name>
<servlet-class>Ini</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>init1</servlet-name>
<url-pattern>/regis</url-pattern>
</servlet-mapping>
</web-app>
```

OUTPUT:



```
SQL> create table details(name varchar(20),password varchar(20),age number,email varchar(30),phone number,address varchar(20));  
Table created.  
SQL> commit;  
Commit complete.  
SQL> select * from details;  
NAME          PASSWORD          AGE  
EMAIL          PHONE          ADDRESS  
-----  
pyprit@yahoo.com 05581A05      20  
cse           123456          vij  
pyprit@yahoo.com  ani          20  
cse           234567 maruthinagar  
SQL> |
```

RESULT:

Thus a table is created and the details are entered into the table using JDBC from the registration forms successfully.

Signature of the faculty

PROGRAM:12**DATE:**

AIM: A web application that lists all cookies stored in the browser on clicking “List Cookies” button. Add cookies if necessary.

AddCookie.html: Allows a user to specify a value for the cookie named AddCookieServlet.java : Processes the submission of AddCookie.htm GetCookiesServlet.java: Displays cookie values

AddCookie.html:

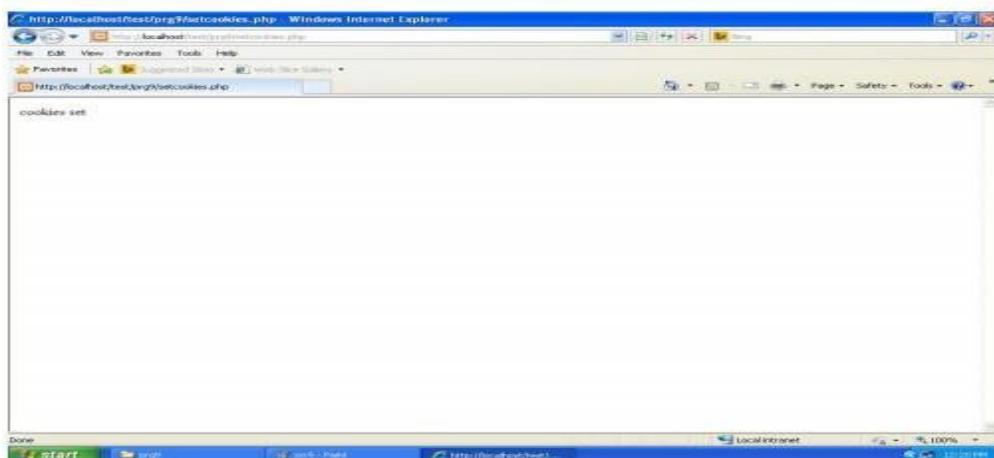
```
<html>
    <body>
        <center>
            <form name="Form1" method="post" action="http://localhost:8080/servlet/AddCookieServlet">
                <B>Enter a value for MyCookie:</B>
                <input type="text" name="data" size="25" value="" />
                <input type="submit" value="Submit" />
            </form>
        </center>
    </body>
</html>
```

AddCookieServlet.java

```
import
java.io.*;import javax.s
ervlet.*;
import javax.servlet.http.*;
public class AddCookieServlet extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws Se
rvletException, IOException
    {
        String data =
        request.getParameter("data");Cookie cookie=
        new
        Cookie("MyCookie",data);response.addCookie(
        cookie);response.setContentType("text/html");
        PrintWriter pw =
        response.getWriter();pw.println("<B>MyCo
okie has been set to");pw.println(data);
        pw.close();
    }
}
```

GetCookiesServlet.java

```
import  
java.io.*;importjavax.  
servlet.*;  
importjavax.servlet.http.*;  
publicclassGetCookiesServletextendsHttpServlet  
{  
    publicvoiddoGet(HttpServletRequestrequest,HttpServletResponseresponse)throw  
sServletE           xception,IOException  
    {  
        Cookie[]cookies=request.getCookies();resp  
onse.setContentType("text/html");PrintWr  
iter pw =  
response.getWriter();pw.println("<B>");  
for(inti=0;i<cookies.length;i++)  
{  
    Stringname=cookies[i].getName();Stringv  
alue=cookies[i].getValue();  
    pw.println("name="+name+";value="+value);  
}  
    pw.close();  
}  
}
```

OUTPUT:

Your browser is sending the following cookies:
Cookie Name: ABCD
Cookie Value: 876543

Cookie Name:
PQRS
Cookie Value: 123
4567

