**SRM INSITUTE OF SCIENCE AND TECHNOLOGY**

**Kattankulathur – 603 203**

**Department of Computer Science and Engineering**

**LAB MANUAL**

**Course Code : 15IT304J**

**Course Name : Web Programming**

**Class : IV B.Tech. CSE/ VII Semester**

**List of Experiments**

1. a) Create login page using HTML5 Semantic and Structural Elements.

b) Create user registration page with all possible form elements and HTML5 Media Elements.

2. a) Format the login page using CSS 3.0

b) Format the user registration page using CSS 3.0

3. a) Create a *mysql* database and all the tables of the project in *phpmyadmin*.

b) Write a PHP code to store user registration information in the database.

c) Write a PHP code for user login page.

4. Design menus and navigation using cascading style sheet.

5. Implement business logic of the project using PHP.

6. Validating user inputs of the web pages using Java Script and AJAX.

7. Create a cookie to save the username and password and display it in the respective field when the user returns to the webpage.

8. Creating user login and registration pages using Servlet and JSP

9. Design simple application for accessing the data using XML

10. Application for web services

**General Instructions:**

1. Student should make a web site right from the start of the first exercise to the end consistently maintaining same content as objective.

2. The project should have minimum 5 pages with first page being home page.

3. Submit the project title within 3 working days.

4. Maximum two students are permitted in a team.

5. Draw the page design, mention the control name and all the properties and coding in the observation before coming to the lab.

6. Complete the Lab experiment on the same day itself.

**0. Understanding the functionality of web clients and web servers.**

Server Side: Install XAMPP software and Host a sample website (Use sample templates) in Apache Server

Client Side: Install Firebug plugins in Mozilla Firefox browser and explore the developer's options

**Ex.No.: 1**

**1. a) Create a login page for your project using HTML.**

**b) Create a user registration page of the project with all possible form elements.**

**Hint:**

* Create a banner for page header using any image editor (Photoshop, MS Paint, etc.)
* Create a footer content
* HTML tags: paragraph, h1 to h6, anchor, fonts, lists
* Form elements: input box, password, list box, check box, button, radio button, option button.
* HTML 5: audio, video tags
* Layouts using tables, div and span, HTML structural elements.

**Sample Web Site:**

**SRM Online Library Management System**

**Steps:**

**1. Install XAMPP Control Panel.**

**2. Install notepad++ or Aptana Studio.**

**3. Create a folder under *c:\xampp\htdocs* path and name it as your project title.**

***Eg.: c:\xampp\htdocs\SRMLibrary***

**4. Create the following folders in your project folder to store the supporting files of your project.**

**Eg.:**

***c:\xampp\htdocs\SRMLibrary\css***

***c:\xampp\htdocs\SRMLibrary\images***

***c:\xampp\htdocs\SRMLibrary\modules***

**5. Create/download images for your project (Eg.: header, footer, etc.) using image editors. (Eg.: MS-Paint, Photo Shop, etc.)**

**6. Save the images in the images folder of your project folder.**

***Eg.: c:\xampp\htdocs\SRMLibrary\images***

**7. Create a html file, *userlogin.html* in your project folder.**

***c:\xampp\htdocs\SRMLibrary\userlogin.html***



<!DOCTYPE html>

<html lang**=**"en">

<head>

<meta charset**=**"UTF-8">

<title>SRM University, Online Library Management</title>

</head>

<body topmargin**=**0 >

<div>

<div>

<img src**=**"images/SRMEmblem.jpg" Align**=**"left">

<h1>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Online Library Management</h1>

</div>

<div>

<br>

<h2>SRM Library</h2>

<p>SRM University has an excellent library for the benefit of students, faculties and researchers. As one of the best established libraries according to International Standards, the University Library has a large collection of books covering various branches of Engineering and Technology, Medical and Health Sciences and Science and Humanities and its related fields.</p>

<p>The library is located in the 15-Storey University Administrative Block, and is spread over Ground + 3 floors of 1.50 Lakh sq ft area. The library building is

<ul>

<li>Fully air-conditioned and automated with RFID (Radio Frequency Identification) technology</li>

<li>Well protected with fire alarms and CCTV security systems</li>

<li>Equipped with reading halls in all the floors, with reference collection</li>

</ul>

</p>

</div>

<form action**=**"CheckUserLogin.php" method**=**"POST">

<table valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr><td><b>User Name</b></td><td><input type**=**"text" name**=**"uname"></tr>

<tr><td><b>Password</b></td><td><input type**=**"password" name**=**"pwd"></tr>

<tr><td></td><td><input type**=**"submit" value**=**" Sign in " name**=**"btnnewuser">&nbsp;&nbsp;&nbsp;<a href**=**"NewUser.html">New User Sign up</a></tr>

</table>

</form>

</div>

<div class**=**"footer">

<p> &copy; 2017 Online Library | Developed by M.Anand, Asst. Prof. (Sr. G), Dept. of Information Technology, SRM University</p>

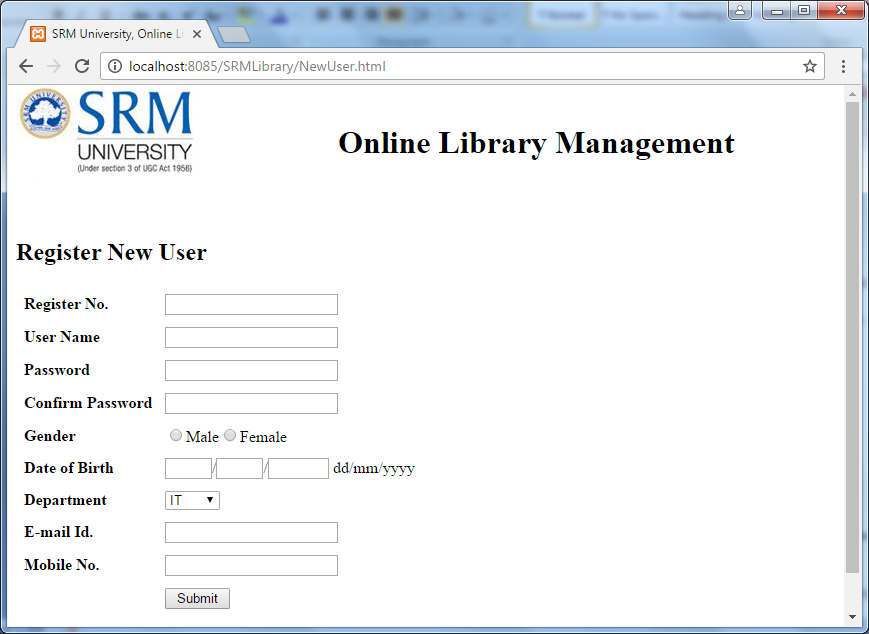
</div>

</body>

</html>

**8. Create a *newuser.html* file in your project folder.**

***c:\xampp\htdocs\SRMLibrary\newuser.html***



<!DOCTYPE html>

<html lang**=**"en">

<head>

<meta charset**=**"UTF-8">

<title>SRM University, Online Library Management</title>

</head>

<body topmargin**=**0 >

<div>

<div>

<img src**=**"images/SRMEmblem.jpg" align**=**"left">

<br>

<h1>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Online Library Management</h1>

</div>

<div>

<br><br>

<h2>Register New User</h2>

<form action**=**'SaveNewUser.php' method**=**'POST'>

<table valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr><td><b>Register No.</b></td><td><input type**=**"text" name**=**"regno"></td></tr>

<tr><td><b>User Name</b></td><td><input type**=**"text" name**=**"uname"></td></tr>

<tr><td><b>Password</b></td><td><input type**=**"password" name**=**"pwd"></td></tr>

<tr><td><b>Confirm Password</b></td><td><input type**=**"password" name**=**"cpwd"></td></tr>

<tr><td><b>Gender</b></td><td><input type**=**"radio" name**=**"gender" value**=**"Male">Male<input type**=**"radio" name**=**"gender" value**=**"Female">Female</td></tr>

<tr><td><b>Date of Birth</b></td><td><input type**=**"text" name**=**"dd" size**=**"2">/<input type**=**"text" name**=**"mm" size**=**"2">/<input type**=**"text" name**=**"yy" size**=**"4"> dd/mm/yyyy</td></tr>

<tr><td><b>Department</b></td><td><select name**=**"dept"><option>IT</option><option>CSE</option><option>SWE</option><option>ECE</option></td></tr>

<tr><td><b>E-mail Id.</b></td><td><input type**=**"text" name**=**"email"></tr>

<tr><td><b>Mobile No.</b></td><td><input type**=**"text" name**=**"mobile"></tr>

<tr><td></td><td><input type**=**"submit" value**=**" Submit " name**=**"btnsubmit"></td></tr>

</table>

</form>

</div>

</div>

<div>

<p> &copy; 2017 Online Library | Developed by M.Anand, Asst. Prof. (Sr. G), Dept. of Information Technology, SRM University</p>

</div>

</body>

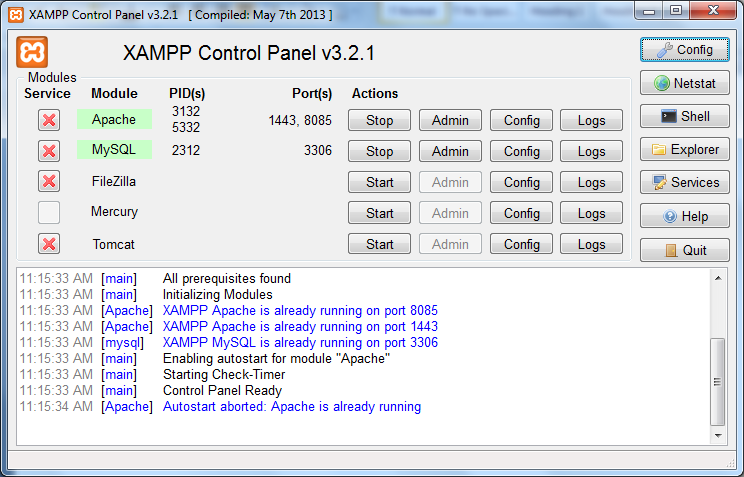
</html>

**9. To execute the web page, open any web browser and type the web address.**

**Eg.:**

***Step 1) Start the Apache Server module***

***Step 2) http://localhost:8085/SRMLibrary/UserLogin.html***

****

**Ex.No.: 2**

**2. a) Format the login page using CSS 3.0**

**b) Format the user registration page using CSS 3.0**

**Hint:**

* Styling
  + Font
  + Color
  + Background
* Alignment
  + Box model
* Positioning
  + Static
  + Relative
  + Absolute
  + Fixed
  + Float

**10. Create an external CSS (*MyStyle.css*) and store it in your *css* folder.**

***c:\xampp\htdocs\SRMLibrary\css\MyStyle.css***

body**{**

font**:** 12px verdana**,** sans-serif**;**

margin**:** 0px**;**

**}**

.container**{**

width**:** 1024px**;**

margin**:** 0 auto**;**

background-color**:** #bbd2df**;**

**}**

.header1**{**

background-color**:** #679BB7**;**

min-height**:** 20px**;**

background**:** url(..**/**images**/**header\_img.jpg)**;**

**}**

.header1 h1**{**

font-size**:** 18px**;**

margin**:** 0px**;**

**}**

.header2**{**

background-color**:** #ffffff**;**

min-height**:** 75px**;**

margin**:** 0px**;**

**}**

.header2 h1**{**

font-size**:** 28px**;**

color**:** #7a00cc**;**

margin-top**:**5px**;**

margin-left**:**20px**;**

**}**

.header2 img**{**

float**:** left**;**

font-size**:**18px**;**

margin**:** 0px**;**

**}**

.header3**{**

background-color**:** #679BB7**;**

min-height**:** 50px**;**

background**:** url(..**/**images**/**header\_img.jpg)**;**

**}**

.sidebar1**{**

float**:** left**;**

width**:** 262px**;**

min-height**:** 425px**;**

text-align**:** left**;**

background-color**:** #bbd2df**;**

**}**

.sidebar1 .nav**{**

padding**:** 5px**;**

**}**

.sidebarinfo1**{**

width**:** 233px**;**

min-height**:** 20px**;**

text-align**:** left**;**

border**:** 1px solid white**;**

padding**:** 3px**;**

border-radius**:** 5px**;**

background**:** #e6f2ff**;**

**}**

.sidebar1 .nav table **{**

border-collapse**:** collapse**;**

**}**

.nav ul**{**

float**:** left**;**

list-style**:** none**;**

display**:** inline**;**

padding**:** 0px**;**

margin**:** 0px**;**

**}**

.nav ul li**{**

margin-bottom**:** 5px**;**

width**:** 100%**;**

float**:** left**;**

**}**

.nav ul li a**{**

color**:** #3d677e**;**

**}**

.nav ul li a**:**hover**{**

text-decoration**:** none**;**

**}**

.content**{**

float**:** left**;**

width**:** 500px**;**

min-height**:** 400px**;**

object-fit**:**cover**;**

background-color**:** #e6f2ff**;**

font-size**:** 12px**;**

**}**

.content .section**{**

padding**:** 0px**;**

**}**

.content h2**{**

font-size**:** 16px**;**

margin**:** 0px**;**

**}**

.sidebar2**{**

float**:** left**;**

width**:** 262px**;**

min-height**:** 425px**;**

text-align**:** left**;**

background-color**:** #bbd2df**;**

**}**

.sidebar2 .nav**{**

padding**:** 10px 12px**;**

**}**

.sidebarinfo2**{**

width**:** 210px**;**

min-height**:** 150px**;**

text-align**:** left**;**

border**:** 1px solid white**;**

padding**:** 3px**;**

border-radius**:** 10px**;**

background**:** #e6f2ff**;**

**}**

.clearfix**{**

clear**:** both**;**

**}**

.footer**{**

background-color**:** #679BB7**;**

color**:** #ffffff**;**

background**:** url(..**/**images**/**footer\_img.jpg)**;**

padding**:** 10px 0**;**

**}**

.footer p**{**

text-align**:** center**;**

margin**:** 5px**;**

**}**

**11. Update the *UserLogin.html* file, created in Lab 1.**

***c:\xampp\htdocs\SRMLibrary\UserLogin.html***



<!DOCTYPE html>

<html lang**=**"en">

<head>

<meta charset**=**"UTF-8">

<title>SRM University, Online Library Management</title>

<link rel**=**"stylesheet" type**=**"text/css" href**=**"css/MyStyle.css">

</head>

<body topmargin**=**0 >

<div class**=**"container">

<div class**=**"header1">

</div>

<div class**=**"header2">

<img src**=**"images/SRMemblem.jpg">

<br>

<h1>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Online Library Management</h1>

</div>

<div class**=**"header3">

</div>

<div class**=**"wrapper">

<div class**=**"sidebar2">

<div class**=**"nav">

<table style**=**"width**:**100%**;**" valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr height**=**"7px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM1.jpg)"></div></td></tr>

<tr height**=**"25px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM5.jpg)"></div></td></tr>

</table>

</div>

</div>

<div class**=**"content" style**=**"background-color**:** #bbd2ff**;**">

<div class**=**"section">

<br><br>

<h2>SRM Library</h2>

<p>SRM University has an excellent library for the benefit of students, faculties and researchers. As one of the best established libraries according to International Standards, the University Library has a large collection of books covering various branches of Engineering and Technology, Medical and Health Sciences and Science and Humanities and its related fields.</p>

<p>The library is located in the 15-Storey University Administrative Block, and is spread over Ground + 3 floors of 1.50 Lakh sq ft area. The library building is

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<li>Well protected with fire alarms and CCTV security systems</li>

<li>Equipped with reading halls in all the floors, with reference collection</li>

</ul>

</p>

</div>

<form action**=**"CheckUserLogin.php" method**=**"POST">

<table valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr><td><b>User Name</b></td><td><input type**=**"text" name**=**"uname"></tr>

<tr><td><b>Password</b></td><td><input type**=**"password" name**=**"pwd"></tr>

<tr><td></td><td><input type**=**"submit" value**=**" Sign in " name**=**"btnnewuser">&nbsp;&nbsp;&nbsp;<a href**=**"NewUser.html">New User Sign up</a></tr>

</table>

</form>

</div>

<div class**=**"sidebar2">

<div class**=**"nav">

<table style**=**"width**:**100%**;**" valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr height**=**"7px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM6.jpg)"></div></td></tr>

<tr height**=**"25px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM4.jpg)"></div></td></tr>

</table>

</div>

</div>

<div class**=**"clearfix">

</div>

</div>

<div class**=**"footer">

<p> &copy; 2017 Online Library | Developed by M.Anand, Asst. Prof. (Sr. G), Dept. of Information Technology, SRM University</p>

</div>

</div>

</body>

</html>

**12. Update the *NewUser.html* file, created in Lab 1.**

***c:\xampp\htdocs\SRMLibrary\NewUser.html***



<!DOCTYPE html>

<html lang**=**"en">

<head>

<meta charset**=**"UTF-8">

<title>SRM University, Online Library Management</title>

<link rel**=**"stylesheet" type**=**"text/css" href**=**"css/MyStyle.css">

</head>

<body topmargin**=**0 >

<div class**=**"container">

<div class**=**"header1">

</div>

<div class**=**"header2">

<img src**=**"images/SRMemblem.jpg">

<br>

<h1>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Online Library Management</h1>

</div>

<div class**=**"header3">

</div>

<div class**=**"wrapper">

<div class**=**"sidebar2">

<div class**=**"nav">

<table style**=**"width**:**100%**;**" valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr height**=**"7px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM1.jpg)"></div></td></tr>

<tr height**=**"25px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM5.jpg)"></div></td></tr>

</table>

</div>

</div>

<div class**=**"content" style**=**"background-color**:** #bbd2ff**;**">

<div class**=**"section">

<br><br>

<center><h2>Register New User</h2></center>

<form action**=**'SaveNewUser.php' method**=**'POST'>

<table valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr><td><b>Register No.</b></td><td><input type**=**"text" name**=**"regno"></td></tr>

<tr><td><b>User Name</b></td><td><input type**=**"text" name**=**"uname"></td></tr>

<tr><td><b>Password</b></td><td><input type**=**"password" name**=**"pwd"></td></tr>

<tr><td><b>Confirm Password</b></td><td><input type**=**"password" name**=**"cpwd"></td></tr>

<tr><td><b>Gender</b></td><td><input type**=**"radio" name**=**"gender" value**=**"Male">Male<input type**=**"radio" name**=**"gender" value**=**"Female">Female</td></tr>

<tr><td><b>Date of Birth</b></td><td><input type**=**"text" name**=**"dd" size**=**"2">/<input type**=**"text" name**=**"mm" size**=**"2">/<input type**=**"text" name**=**"yy" size**=**"4"> dd/mm/yyyy</td></tr>

<tr><td><b>Department</b></td><td><select name**=**"dept"><option>IT</option><option>CSE</option><option>SWE</option><option>ECE</option></td></tr>

<tr><td><b>E-mail Id.</b></td><td><input type**=**"text" name**=**"email"></tr>

<tr><td><b>Mobile No.</b></td><td><input type**=**"text" name**=**"mobile"></tr>

<tr><td></td><td><input type**=**"submit" value**=**" Submit " name**=**"btnsubmit"></td></tr>

</table>

</form>

</div>

</div>

<div class**=**"sidebar2">

<div class**=**"nav">

<table style**=**"width**:**100%**;**" valign**=**"left" border**=**"0" cellspacing**=**"4" cellpadding**=**"4">

<tr height**=**"7px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM6.jpg)"></div></td></tr>

<tr height**=**"25px"></tr>

<tr><td><div class**=**"sidebarinfo2" style**=**"background**:** url(images**/**SRM4.jpg)"></div></td></tr>

</table>

</div>

</div>

<div class**=**"clearfix">

</div>

</div>

<div class**=**"footer">

<p> &copy; 2017 Online Library | Developed by M.Anand, Asst. Prof. (Sr. G), Dept. of Information Technology, SRM University</p>

</div>

</div>

</body>

</html>

**Ex. No.: 3**

**3. a) Create a *mysql* database and all the tables of the project in *phpmyadmin*.**

**b) Write a PHP code to store user registration information in the database.**

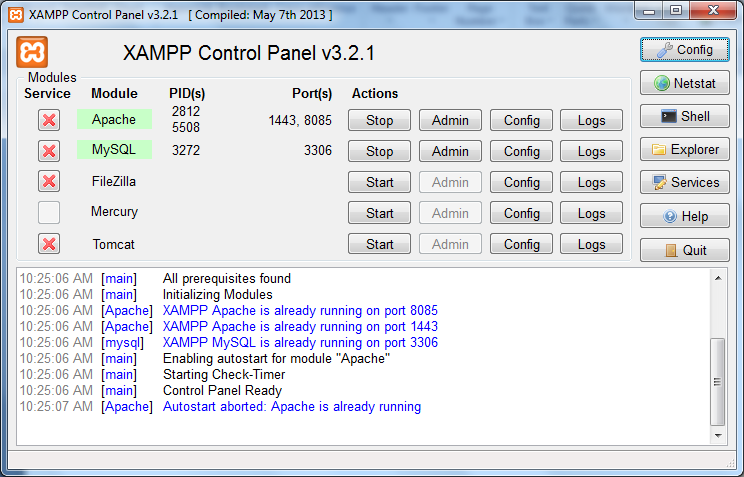
**c) Write a PHP code for user login page.**

**13. Steps to create *mysql* database:**

**Step 1) Open XAMPP Control Panel.**

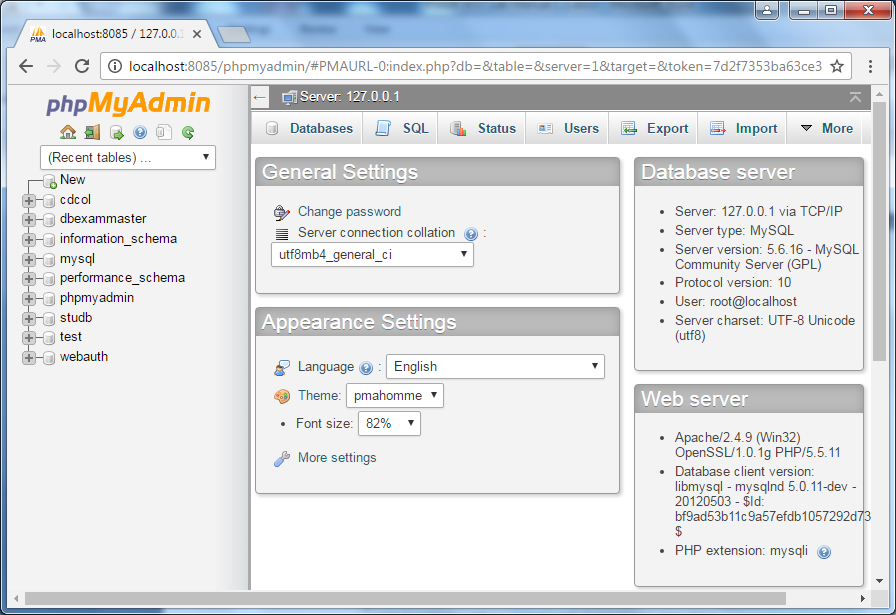
**Step 2) Start the Apache Server module**

**Step 3) Start the MySQL module**

******

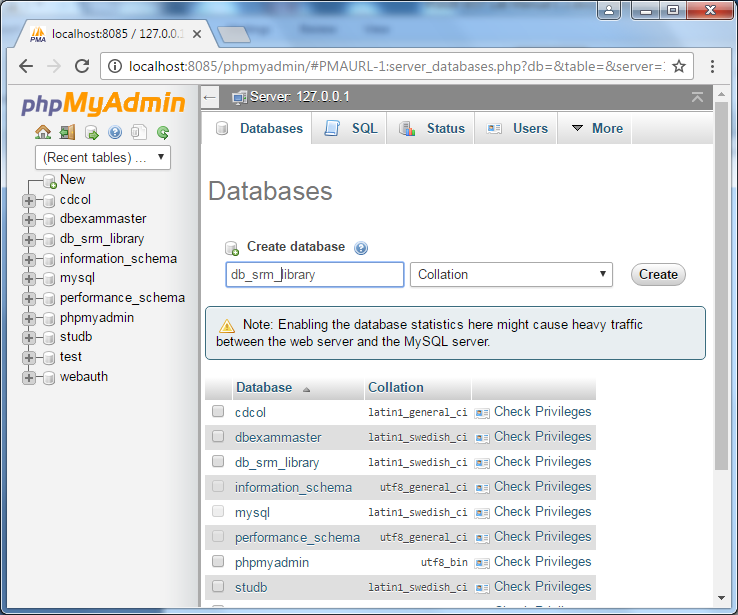
**Step 4) Open web browser and type the url *http://localhost:8085/phpmyadmin***



****

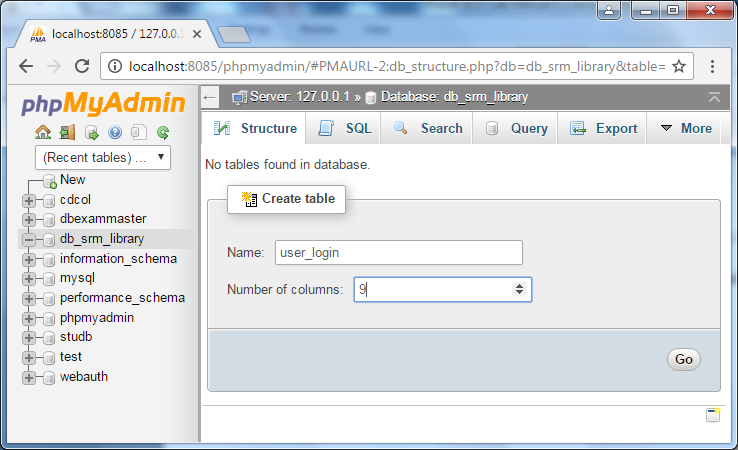
**Step 5) Select *New* to create a new database and enter the database name**

**Eg.: *db\_srm\_library***

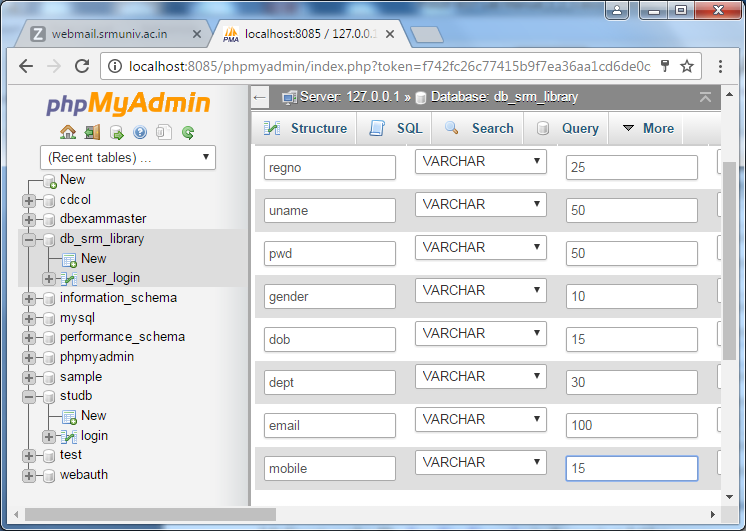
****

**Step 6) Select the database name and enter the table name and number of columns and click on *Go* button**

***Eg.: user\_login***

****

**Step 7) Enter the field names with data type and click on *Save* button**

****

**14) Create a php file, *SaveNewUser.php* in the project folder**

***c:\xampp\htdocs\SRMLibrary\SaveNewUser.php***

<?php

extract($\_POST);

$mysqli = new mysqli('localhost', 'root', 'server', 'db\_srm\_library');

if($mysqli->connect\_errno > 0){

die('Unable to connect to database [' . $db->connect\_error . ']');

}

$dob=$dd.'/'.$mm.'/'.$yy;

$query = "INSERT INTO user\_login VALUES

('$regno','$uname','$pwd','$gender','$dob','$dept','$email','$mobile')";

$insert\_row = $mysqli->query($query);

if($insert\_row){

header("location:RegistrationSuccess.html");

}

else{

die('Error : ('. $mysqli->errno .') '. $mysqli->error);

}

?>

**15) Create a html file, *RegistrationSuccess.html* in the project folder**

***c:\xampp\htdocs\SRMLibrary\RegistrationSuccess.html***



…..

…..

…..

<div class="content" style="background-color: #bbd2ff;">

<div class="section">

<br><br>

<center>

**<h2>New User Successfully Registered!</h2><br><br>**

**<a href="UserLogin.html">Login</a>**

</center>

</div>

</div>

…..

…..

…..

**16) Create a html file, *CheckUserLogin.php* in the project folder**

***c:\xampp\htdocs\SRMLibrary\ CheckUserLogin.php***

<?php

$host="localhost"; // Host name

$username="root"; // Mysql username

$password="server"; // Mysql password

$db\_name="db\_srm\_library"; // Database name

$tbl\_name="user\_login"; // Table name

// Connect to server and select databse.

mysql\_connect("$host", "$username", "$password")or die("cannot connect");

mysql\_select\_db("$db\_name")or die("cannot select DB");

// Define $myusername and $mypassword

$myusername=$\_POST['uname'];

$mypassword=$\_POST['pwd'];

$sql="SELECT \* FROM $tbl\_name WHERE uname='$myusername' and pwd='$mypassword'";

$result=mysql\_query($sql);

// Mysql\_num\_row is counting table row

$count=mysql\_num\_rows($result);

// If result matched $myusername and $mypassword, table row must be 1 row

if($count==1){

// $row=mysql\_fetch\_row($result);

// $sname=$row[0];

// print("<h1>Welcome, $sname!<br></h1>");

// echo "<h2>Login Success!!!</h2>";

header("location:UserMainMenu.php");

}

else {

//echo "<h2>Login Failed!!!</h2>";

header("location:UserLogin.html");

}

?>

**Ex. No.: 4**

**Design menus and navigation of the project.**

MenuStyle.css

.dropbtn {

background-color: #87CEFA;

color: white;

padding: 10px;

font-size: 16px;

border: none;

cursor: pointer;

}

.dropdown {

position: relative;

display: inline-block;

}

.dropdown-content {

display: none;

position: absolute;

background-color: #f9f9f9;

min-width: 160px;

box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);

}

.dropdown-content a {

color: black;

padding: 10px 16px;

text-decoration: none;

display: block;

}

.dropdown-content a:hover {background-color: #f1f1f1}

.dropdown:hover .dropdown-content {

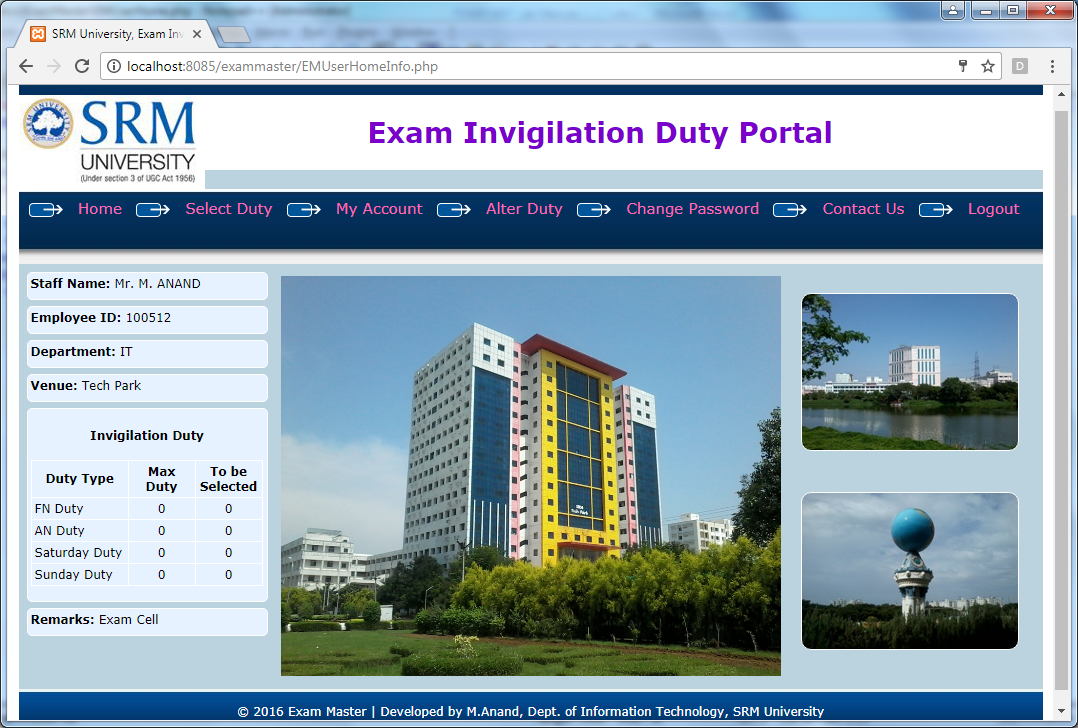
display: block;

}

.dropdown:hover .dropbtn {

background-color: #4682B4;

}



**EMUserBodyHead.php**

<div class="header1">

<!-- <h1>Exam Invigilation Duty Portal</h1>-->

<!-- <div class="inv\_menu"> <a href="#">Logout</a></div>-->

</div>

<div class="header2">

<img src="images/emblem4.jpg">

<br>

<h1>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Exam Invigilation Duty Portal</h1>

<!-- <img src="images/emblem2.png">-->

</div>

<div class="header3">

<div class="inv\_main\_menu">

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMUserHome.php">Home</a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMSelectDuty.php">Select Duty </a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMMyAccount.php">My Account</a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMAlterDuty.php">Alter Duty</a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMChangePwd.php">Change Password</a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMContactUs.php">Contact Us</a></div>

<div class="inv\_menu"> <img alt="->" src="images/arrow.png" /> <a href="EMLogout.php">Logout</a></div>

</div>

</div>

**Ex. No.: 5**

**Implement business logic of the project.**

EMUserHome.php

<?php

require('modules/Check\_Session.php');

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>SRM University, Exam Invigilation Duty Portal</title>

<link rel="stylesheet" type="text/css" href="css/StarStyle.css">

</head>

<body topmargin=0 >

<div class="container">

<?php

require('modules/EMUserBodyHead.php');

?>

<div class="wrapper">

<?php

require('modules/EMUserSidebar.php');

?>

<div class="content" style="background-color: #bbd2df;">

<!--<div class="content">-->

<div class="section">

<center>

<p style="color:#ff0000"><b>

<?php

if(isset($\_SESSION['EMRedStatus'])){echo $\_SESSION['EMRedStatus'];$\_SESSION['EMRedStatus']="";}

?>

</b>

</p>

<p style="color:#00802b"><b>

<?php

if(isset($\_SESSION['EMGreenStatus'])){echo $\_SESSION['EMGreenStatus'];$\_SESSION['EMGreenStatus']="";}

?>

</b>

</p>

</center>

<img alt="" src="images/techpark.jpg" width=500 height=400 />

</div>

</div>

<?php

require('modules/EMUserRightSidebar.php');

?>

<div class="clearfix">

</div>

</div>

<div class="footer">

<?php

require('modules/EMUserFooter.php');

?>

</div>

</div>

</body>

</html>

**Ex. No.: 6**

**Validating user inputs of the web pages using Java Script**

**login.html**

<html>

<head>

<title>Javascript Login Form Validation</title>

<!-- Include CSS File Here -->

<link rel="stylesheet" href="css/style.css"/>

<!-- Include JS File Here -->

<script src="js/login.js"></script>

</head>

<body>

<div class="container">

<div class="main">

<h2>Javascript Login Form Validation</h2>

<form id="form\_id" method="post" name="myform">

<label>User Name :</label>

<input type="text" name="username" id="username"/>

<label>Password :</label>

<input type="password" name="password" id="password"/>

<input type="button" value="Login" id="submit" onclick="validate()"/>

</form>

</div>

</div>

</body>

</html>



**login.js**

var attempt = 3; // Variable to count number of attempts.

// Below function Executes on click of login button.

function validate(){

var username = document.getElementById("username").value;

var password = document.getElementById("password").value;

if ( username == "Formget" && password == "formget#123"){

alert ("Login successfully");

window.location = "success.html"; // Redirecting to other page.

return false;

}

else{

attempt --;// Decrementing by one.

alert("You have left "+attempt+" attempt;");

// Disabling fields after 3 attempts.

if( attempt == 0){

document.getElementById("username").disabled = true;

document.getElementById("password").disabled = true;

document.getElementById("submit").disabled = true;

return false;

}

}

}

**Ex. No.: 7**

**Create a cookie to save the username and password and display it in the respective field when the user returns to the webpage.**

**Login.html**

<html>

<head>

<title>User Login</title>

</head>

<body>

<form method="post" action="Login\_Check.php">

<H1>User Login</h1>

User Name:<input type="text" name="uname" value=<?php echo Cookie\_val(1) ?> > <br>

Password:<input type="password" name="pwd" value=<?php echo Cookie\_val(2) ?> > <br>

<input type="checkbox" name="remuser">Remember Password<br>

<input type="submit" value="Login">

</form>

</body>

<?php

function Cookie\_val($ch){

if ($ch==1)

{

if (isset($\_COOKIE['UName']))

{

return $\_COOKIE['UName'];

}

else

return;

}

else

{

if (isset($\_COOKIE['Pwd']))

{

return $\_COOKIE['Pwd'];

}

else

return;

}

}

?>

</html>

**Login\_Check.php**

<?php

$host="localhost"; // Host name

$username="root"; // Mysql username

$password="server"; // Mysql password

$db\_name="studb"; // Database name

$tbl\_name="Login"; // Table name

mysql\_connect("$host", "$username", "$password")or die("cannot connect");

mysql\_select\_db("$db\_name")or die("cannot select DB");

$myusername=$\_POST['uname'];

$mypassword=$\_POST['pwd'];

$sql="SELECT \* FROM $tbl\_name WHERE uname='$myusername' and pwd='$mypassword'";

$result=mysql\_query($sql);

$count=mysql\_num\_rows($result);

if($count==1){

$row=mysql\_fetch\_row($result);

$sname=$row[0];

print("<h1>Welcome, $sname!<br></h1>");

echo "<h2>Login Success!!!</h2>";

if (isset($\_POST['remuser'])){

setcookie("UName",$myusername,time()+60\*60\*24);

setcookie("Pwd",$mypassword,time()+60\*60\*24);

}

else

{

setcookie("UName","",time()-5);

setcookie("Pwd","",time()-5);

}

// header("location:login\_success.html");

}

else {

echo "<h2>Login Failed!!!</h2>";

//header("location:login\_failed.php");

}

?>

**Ex. No.: 8**

**Creating user login and registration pages using Servlet and JSP**

**UserReg.html**

<html>

<head>

<title>New User Registration</title>

</head>

<style>

div.ex {

text-align: right width:300px;

padding: 10px;

border: 5px solid grey;

margin: 0px

}

</style>

<body>

<h1>Registration Form</h1>

<div class="ex">

<form action="UserRegistration" method="post">

<table style="with: 50%">

<tr>

<td>Full Name</td>

<td><input type="text" name="stuname" /></td>

</tr>

<tr>

<td>Address</td>

<td><input type="text" name="address" /></td>

</tr>

<tr>

<td>Age</td>

<td><input type="text" name="age" /></td>

</tr>

<tr>

<td>Qualification</td>

<td><input type="text" name="qual" /></td>

</tr>

<tr>

<td>Percentage</td>

<td><input type="text" name="percent" /></td>

</tr>

<tr>

<td>Year Passed</td>

<td><input type="text" name="yop" /></td>

</tr>

</table>

<input type="submit" value="register" />

</form>

</div>

</body>

</html>

**UserRegistration.java**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class UserRegistration extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String name = request.getParameter("fullname");

String Addr = request.getParameter("address");

String age = request.getParameter("age");

String Qual = request.getParameter("qual");

String Persent = request.getParameter("percent");

String Year = request.getParameter("yop");

if(name.isEmpty()||Addr.isEmpty()||age.isEmpty()||Qual.isEmpty()||Persent.isEmpty()

|| Year.isEmpty())

{

RequestDispatcher rd =

request.getRequestDispatcher("registration.jsp");

out.println("<font color=red>Please fill all the fields</font>");

rd.include(request, response);

}

else

{

RequestDispatcher rd = request.getRequestDispatcher("home.jsp");

rd.forward(request, response);

}

}

}

**home.jsp**

<head>

<title>Display</title>

<style>

table#nat{

width: 50%;

background-color: #c48ec5;

}

</style>

</head>

<body>

<% String name = request.getParameter("fullname");

String Addr = request.getParameter("address");

String age = request.getParameter("age");

String Qual = request.getParameter("qual");

String Persent = request.getParameter("percent");

String Year = request.getParameter("yop"); %>

<table id ="nat">

<tr>

<td>Full Name</td>

<td><%= name %></td>

</tr>

<tr>

<td>Address</td>

<td><%= Addr %></td>

</tr>

<tr>

<td>Age</td>

<td><%= age %></td>

</tr>

<tr>

<td>Qualification</td>

<td><%= Qual %></td>

</tr>

<tr>

<td>Percentage</td>

<td><%= Persent %></td>

</tr>

<tr>

<td>Year of Passout</td>

<td><%= Year %></td>

</tr>

</table>

</body>

</html>

**Ex. No.: 9**

**Design simple application for accessing the data using XML**

**books.xml**

<books>

<book>

<name>Padam History</name>

<author>ZARA</author>

<price>100</price>

</book>

<book>

<name>Great Mistry</name>

<author>NUHA</author>

<price>2000</price>

</book>

</books>

**main.jsp**

<%@ taglib prefix = "c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ taglib prefix = "x" uri="http://java.sun.com/jsp/jstl/xml" %>

<html>

<head>

<title>JSTL x:parse Tags</title>

</head>

<body>

<h3>Books Info:</h3>

<c:import var = "bookInfo" url="http://localhost:8080/books.xml"/>

<x:parse xml = "${bookInfo}" var = "output"/>

<b>The title of the first book is</b>:

<x:out select = "$output/books/book[1]/name" />

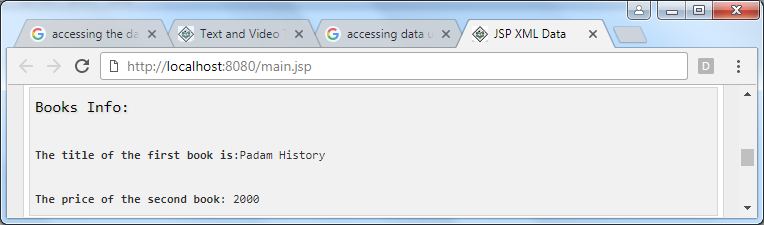
<br>

<b>The price of the second book</b>:

<x:out select = "$output/books/book[2]/price" />

</body>

</html>



**Ex. No.: 10**

**Application for web services**

Creating JAX-WS example is an easy task because it requires no extra configuration settings.

JAX-WS API is inbuilt in JDK, so no need to load any extra jar file for it.

There are created 4 files for hello world JAX-WS example:

1. HelloWorld.java

2. HelloWorldImpl.java

3. Publisher.java

4. HelloWorldClient.java

The first 3 files are created for server side and 1 application for client side.

**JAX-WS Server Code**

**HelloWorld.java**

package com.javatpoint;

import javax.jws.WebMethod;

import javax.jws.WebService;

import javax.jws.soap.SOAPBinding;

import javax.jws.soap.SOAPBinding.Style;

//Service Endpoint Interface

@WebService

@SOAPBinding(style = Style.RPC)

public interface HelloWorld{

@WebMethod String getHelloWorldAsString(String name);

}

**HelloWorldImpl.java**

package com.javatpoint;

import javax.jws.WebService;

//Service Implementation

@WebService(endpointInterface = "com.javatpoint.HelloWorld")

public class HelloWorldImpl implements HelloWorld{

@Override

public String getHelloWorldAsString(String name) {

return "Hello World JAX-WS " + name;

}

}

**Publisher.java**

package com.javatpoint;

import javax.xml.ws.Endpoint;

//Endpoint publisher

public class HelloWorldPublisher{

public static void main(String[] args) {

Endpoint.publish("http://localhost:7779/ws/hello", new HelloWorldImpl());

}

}

View generated WSDL:

After running the publisher code, you can see the generated WSDL file by visiting the URL:

http://localhost:7779/ws/hello?wsdl

**JAX-WS Client Code**

**HelloWorldClient.java**

package com.javatpoint;

import java.net.URL;

import javax.xml.namespace.QName;

import javax.xml.ws.Service;

public class HelloWorldClient{

public static void main(String[] args) throws Exception {

URL url = new URL("http://localhost:7779/ws/hello?wsdl");

//1st argument service URI, refer to wsdl document above

. //2nd argument is service name, refer to wsdl document above

. QName qname = new QName("http://javatpoint.com/",

"HelloWorldImplService");

Service service = Service.create(url, qname);

HelloWorld hello = service.getPort(HelloWorld.class);

System.out.println(hello.getHelloWorldAsString("javatpoint rpc"));

}

}

**Output:**

Hello World JAX-WS javatpoint rpc