# **Name: Abdurrahman Qureshi**

# **Roll No: 210451**

Practical No: 22

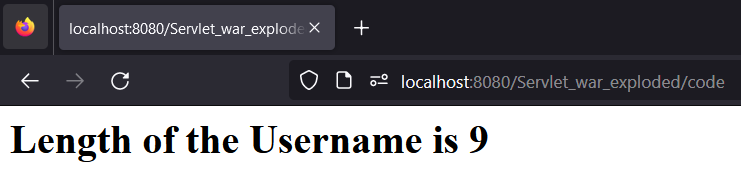
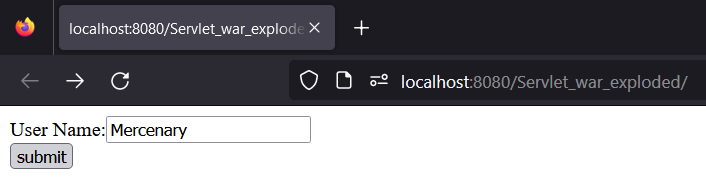
**1) Write a Program to send the username to server and server will send the length of username to client.**

**Servlet:**

package ajp.servlet;   
import java.io.\*;  
import javax.servlet.\*;  
import javax.servlet.http.\*;  
import javax.servlet.annotation.WebServlet;   
@WebServlet("/code")  
public class CodeServlet extends HttpServlet{  
 protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException{ response.setContentType("text/html;charset=UTF-8");  
 PrintWriter out = response.getWriter();  
 String username = request.getParameter("username");  
 out.println("<h1>Length of the Username is " + username.length() + "</h1>");}}

**HTML:**<html>  
<body>  
<form action="code" method="POST">  
 User Name:<input type="text" name="username"><br>  
 <input type="submit" value="submit">  
</form>  
</body>  
</html>

**OUTPUT:**



**2) Write the output of following code considering below HTML is front end and servlet as back end.**

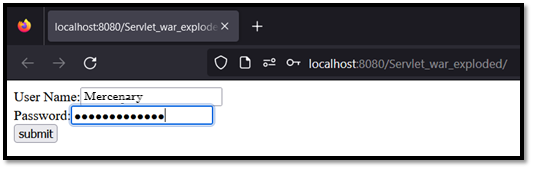
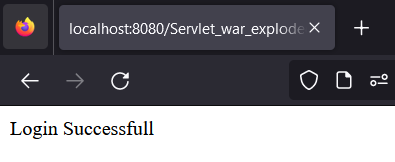
**CODE:**

**Servlet:**

package ajp.servlet;   
import java.io.IOException;  
import java.io.PrintWriter;  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;   
@WebServlet("/code")  
public class CodeServlet extends HttpServlet{  
 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
response.setContentType("text/html;charset=UTF-8");  
 PrintWriter out = response.getWriter();  
 String pass="abhishek12345";  
 String uname,password; uname=request.getParameter("uname"); password=request.getParameter("password");  
 if(uname.equals(uname) && password.equals(pass)) {  
 out.println("Login Successfull");}  
 else{  
 out.println("Login Unsuccessfull");}}}

**HTML:**<html>  
<body>  
<form action="code" method="POST">  
 User Name:<input type="text" name="uname"><br>  
 Password:<input type="password" name="password" ><br>  
 <input type="submit" value="submit">  
</form>  
</body>  
</html>

**OUTPUT:**

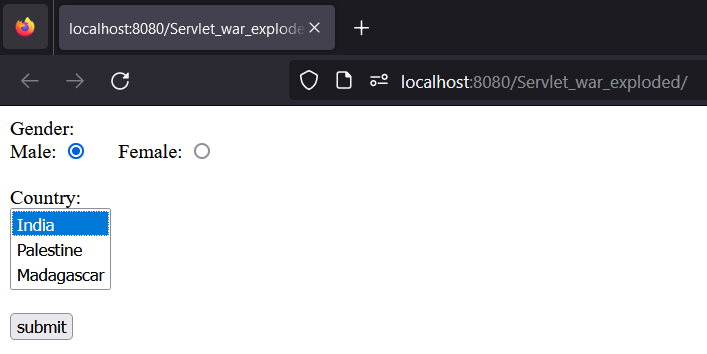
**3) Develop servlet program to retrieve data from List and Radio Button using HTML Forms**

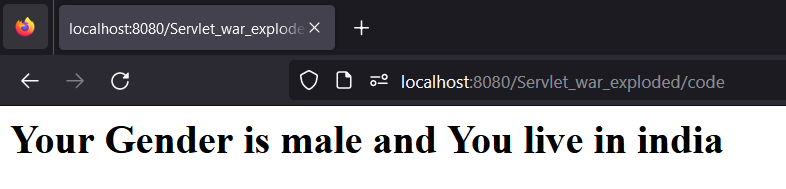
**Servlet:**

package ajp.servlet;   
import java.io.\*;  
import javax.servlet.\*;  
import javax.servlet.http.\*;  
import javax.servlet.annotation.WebServlet;   
@WebServlet("/code")  
public class CodeServlet extends HttpServlet{  
 protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException{ response.setContentType("text/html;charset=UTF-8");  
 PrintWriter out = response.getWriter();  
 String gender = request.getParameter("gender");  
 String country = request.getParameter("country");  
  
 out. ("<h1>Your Gender is " + gender + " and You live in " + country + "</h1>");}}

**HTML:**<html>  
<head><title>AJP Practical</title></head>  
<body>  
<form action="code" method="POST">  
 Gender: <br>  
 <label>  
 Male:  
 <input type="radio" name="gender" value="male">  
 </label>  
 &NonBreakingSpace;&NonBreakingSpace;&NonBreakingSpace;&NonBreakingSpace;  
 <label>  
 Female:  
 <input type="radio" name="gender" value="female">  
 </label><br><br>  
 <label>  
 Country: <br>  
 <select name="country" size="3">  
 <option value="india">India</option>  
 <option value="palestine">Palestine</option>  
 <option value="madagascar">Madagascar</option>  
 </select>  
 </label><br><br>  
 <input type="submit" value="submit">  
</form>  
</body>  
</html>

**OUTPUT:**





**4) Develop a program to receive student subject marks through HTML forms TextField and send the response as passed or Failed in Examination...**

**Servlet:**

package ajp.servlet;   
import java.io.\*;  
import javax.servlet.\*;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.\*;   
@WebServlet("/code")  
public class CodeServlet extends HttpServlet {  
 public void doPost(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException {  
 res.setContentType("text/html");  
 int maths = Integer.parseInt(req.getParameter("maths"));  
 int science = Integer.parseInt(req.getParameter("science"));  
 int english = Integer.parseInt(req.getParameter("english"));  
 PrintWriter out = res.getWriter();  
 out.println("Result:");  
 out.println("<br> Maths: " + status(maths));  
 out.println("<br> Science: " + status(science));  
 out.println("<br> English: " + status(english)); }  
 public String status(int marks) {  
 switch (marks/10) {  
 case 10:  
 case 9:  
 case 8:  
 case 7:  
 case 6:  
 case 5:  
 case 4:  
 return "Passed";  
 default:  
 return "Failed";}}}

**HTML:**<html>  
<head><title>AJP Practical</title></head>  
<body>  
<form action="code" method="POST">  
 Subject Marks: <br>  
 <label>  
 Maths: <input type="text" name="maths">  
 </label><br>  
 <label>  
 Science: <input type="text" name="science">  
 </label><br>  
 <label>  
 English: <input type="text" name="english">  
 </label><br>  
 <input type="submit" value="submit">  
</form>  
</body>  
</html>

**OUTPUT:**

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