**EAD Manual**

1. **JSP file to take input of text and color and demonstrate request.getparameter.**

**index.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="first">

<h1> Please Enter the Text and Color</h1> <br><br>

Text: &nbsp;&nbsp; <input type="Text" name="Text1"><br><br>

Text: &nbsp;&nbsp; <input type="Text" name="Text1"><br><br>

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

</form>

</body>

</html>

**first.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class first extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

String Text1=requesr.getParameter("Text1");

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

out.println("<html><head><title>My First JSP</title></head><body>");

out.println("<font size=\"12px\""+Color+"\">"+Text1+"<br></font>"+"</body></html>");

}

}

1. **Simple login page using jsp**

**index.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="login">

<table style="border-spacing:10px">

<tr>

<td><h1>Login</h1></td>

</tr>

<tr>

<td>Username:</td>

<td><input type="Text" name="username"></td>

</tr>

<tr>

<td>Password:</td>

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

</tr>

<tr>

<td><input type="Submit" value="submit"></td>

<td><input type="reset" value="reset"></td>

</tr>

</table>

</form>

</body>

</html>

**Login.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class login extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

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

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

if(username.equalsIgnoreCase("DSCE")&&password.equalsIgnoreCase("123")){

out.println("login successful");

out.println("Welcome"+username+"!");

}

else{

out.println("invalid username/password. loginunsuccessful!");

out.println("Please try again!");

}

}

}

1. **Hobbies of a person**

**Hobbies.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="login" method="get">

<center>

<h1>DESIGN</h1>

<table border="1" color="ivory">

<tr>

<td>Name:</td>

<td><input type="Text" name="name"></td>

</tr>

<tr>

<td>Age:</td>

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

</tr>

<tr>

<td>Gender:</td>

<td><input type="radio" name="gender" value="male" checked>Male</td>

</tr>

<tr>

<td> </td>

<td><input type="radio" name="gender" value="female" checked>Female</td>

</tr>

<tr>

<td>HOBBIES:</td>

<td><input type="checkbox" name="hobbies" value="cricket" checked>Cricket</td>

</tr>

<tr>

<td> </td>

<td><input type="checkbox" name="hobbies" value="tennis" checked>Tennis</td>

</tr>

<tr>

<td> </td>

<td><input type="checkbox" name="hobbies" value="movies" checked>Movies</td>

</tr>

<tr>

<td> </td>

<td><input type="checkbox" name="hobbies" value="music" checked>music</td>

</tr>

<tr>

<td><input type="Submit" value="submit"></td>

<td><input type="reset" value="clear"></td>

</tr>

</table>

</form>

</body>

</html>

**Login.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class login extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

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

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

String[] hobbies=request.getParameterValues("hobbies");

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

out.println("<html><head></head><body>"+"<bgcolor=\"hotpink\">"+"<font size=\"4px\">");

out.println("Application Form data accessed form jsp page:<br>"+"</body></html>");

out.println("<br><b><u>name:</u></b>"+name);

out.println("<br><b><u>age:</u></b>"+age);

out.println("<br><b><u>gender:</u></b>"+gender);

if(hobbies!=null){

int length=hobbies.length;

out.println("<br><b><u>Selected hobbies:</u></b>");

for(int i=0;i<length;i++){

out.println(hobbies[i]);

if(i!=length-1)

out.print(",");

else

out.print(",");

}

}

}

}

1. **GET and POST method**

**GetPost.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Get & Post Method</title>

</head>

<body>

<center>

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

<h1>Demonstration of Get & Post Methods</h1>

<label>click here to call POST METHOD:</label><br><br>

name:<input type="text" name="name">

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

</form>

</center>

</body>

</html>

**Receive.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class receive extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

out.println("<html><head></head><body><center>"+"<form method=\"get\"><bgcolor=\"hotpink\">"+"<font size=\"4px\">");

out.println("You are in get method!");

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

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

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

out.println("<br>Data received:<br><br>Name:"+name+"<br><br>Address:"+addr+"<br><br>Phone No:"+phone);

out.println("</center></body></html>");

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

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

out.println("Hollo"+name+"!<br>Your name is received through post method");

out.println("<html><head></head><body><center>"+"<bgcolor=\"hotpink\">"+"<font size=\"4px\">");

out.println("<form action=\"receive\" method=\"get\"> <h1>Demonstration of Get & Post Method</h1>");

out.println("Name:<input type=\"text\" name=\"name\"><br><br>");

out.println("Address:<input type=\"textarea\" name=\"address\"><br><br>");

out.println("Phone No:<input type=\"text\" name=\"phone\"><br><br>");

out.println("<label>click here to send the data throught get Method:</label><br><br>");

out.println("<input type=\"Submit\" value=\"submit\"> </form></center></body></html>");

}

}

}

1. **Response Objects**

**response.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Response Objects</title>

</head>

<body>

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

<h1>Welcome</h1><br>

<label><font size="6">Enter parameter name:</font></label>

<input type="text" name="text"><br><br>

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

</form>

</body>

</html>

**servletResponse.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.util.\*;

public class servletResponse extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

String authorname=request.getParameter("text");

out.println("<html><body><font size=\"5\">");

out.println("<br>Server port:"+request.getServerPort());

out.println("<br>Server name:"+request.getServerName());

out.println("<br>Protocol:"+request.getProtocol());

out.println("<br>Character encoding:"+request.getCharacterEncoding());

out.println("<br>Content type:"+request.getContentType());

out.println("<br>Remote address:"+request.getRemoteAddr());

out.println("<br>Remote Host:"+request.getRemoteHost());

out.println("<br>Scheme:"+request.getScheme());

out.println("</font></body></html>");

Enumeration parameters=request.getParameterNames();

String ParameterName=(String)parameters.nextElement();

out.println("<html><body><font size=\5\">");

out.println("<br>Parameter Name:"+ParameterName);

out.println("<br>Parameter Value:"+request.getParameter(ParameterName));

out.println("</font></body></html>");

}

}

}

1. **Page directive tags and display date and Time**

**DateTime.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.util.Date"%>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jst1/fmt" %>

<%@page buffer="32kb"%>

<%@page isErrorPage="false"%>

<%@page session="true"%>

<%@page autoFlush="true"%>

<%@page info="This is a jsp page. It display current date & Time"%>

<%@page isThreadSafe="true"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Display Date & Time</title>

</head>

<body>

<h4><br><br>

Current Date/Time is...<br><br>

<%=new java.util.Date()%> <br><br>

Formatted Date/Time is...<br><br>

<jsp:useBean id="now" class="java.util.Date"/>

<p>Formatted Date (1):<fmt:formatDate type="time" value="$(now)"/></p>

<p>Formatted Date (2):<fmt:formatDate type="date" value="$(now)"/></p>

<p>Formatted Date (3):<fmt:formatDate type="both" value="$(now)"/></p>

<p>Formatted Date (4):<fmt:formatDate type="both" dataStyle="short" timeStyle="short" value="$(now)"/></p>

<p>Formatted Date (5):<fmt:formatDate type="both" dataStyle="medium" timeStyle="medium" value="$(now)"/></p>

<p>Formatted Date (6):<fmt:formatDate type="both" dataStyle="long" timeStyle="long" value="$(now)"/></p>

<p>Formatted Date (7):<fmt:formatDate pattern="yyyy-MM-dd" value="$(now)"/></p>

<br><br>

</h4>

<form method="get">

<input type="submit" name="Refresh Time" value="Refresh Time">

</form>

</body>

</html>

1. **Google Search Program**

**redirect.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="SearchDemo">

<p>Search Item:<input type="text" name="searchname"></p>

<p><input type="submit" name="submit"></p>

</form>

</body>

</html>

**SearchDemo.java**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.util.\*;

public class SearchDemo extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

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

response.sendRedirect("http://www.google.co.in/search?q="+name);

}}

1. **JavaBean**

**Index.html**

<!DOCTYPE html>

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<center><br><br>

<h4> Demonstrating Java Bean Implementation</h4>

<form action="bean.jsp" method="post">

Enter name:<input type="text" name="sname"/> <br><br>

Enter USN:<input type="text" name="usnno"/> <br><br>

Enter name:<input type="text" name="sbranch"/> <br><br><br>

<input type="Submit" name="submit"/>

</form>

</center>

</body>

</html>

**Bean.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<jsp:useBean id="student" scope="request" class="Pkg1.StudentBean"/>

<jsp:setProperty name="student" property="\*"/>

<center><b>Student Details</b><br>

Name:<jsp.getProperty name="student" property="sname"/><br>

USN:<jsp.getProperty name="student" property="susno"/><br>

Branch:<jsp.getProperty name="student" property="sbranch"/><br>

</body>

</html>

**StudentBean.java**

package Pkg1;

import java.beans.\*;

public class StudentBean{

String sname,susnno,sbranch;

private String sampleProperty;

public String getSname(){

return sname;

}

public void getSname(String sname){

this.sname=sname;

}

public String getSusnno(){

return susnno;

}

public void getSusnno(String susnno){

this.susnno=susnno;

}

public String getSbranch(){

return sbranch;

}

public void getSbranch(String sbranch){

this.sbranch=sbranch;

}

}