

## Reading & Initializing Parameters (Servlets)

```
<html>
<head>
<title> Student forum </title>
</head>
<body>
<form>
Student Name <input type = "text" name = "sname"> <br>
Student Branch <input type = "text" name = "sbranch"> <br>
Student Address <input type = "text" name = "sadd"> <br>
Submit <input type = "text" name = "submit">
</form>
</body>
</html>
```

CMR  
GROUP OF INSTITUTIONS  
EXPLORE TO INVENT

```
web.xml
<web-apps>
<servlet>
<servlet-name> Http </servlet-name>
<servlet-class> ReadingServletEx </servlet-class>
</servlet>
<servlet-mapping>
<servlet-name> Http </servlet-name>
<url-pattern> /hai </url-pattern>
</servlet-mapping>
</web-apps>
```



```
import java.io.*;
```

```
import javax.servlet.*;
```

```
import javax.servlet.http.*;
```

```
class ReadingServletEx extends HttpServlet {
```

```
    public void doPost(HttpServletRequest req, HttpServletResponse  
                        res) throws ServletException, IOException
```

```
{
```

```
    response.setContentType("text/html");
```

```
    PrintWriter out = response.getWriter();
```

```
    String name = req.getParameter("sname");
```

```
    String branch = req.getParameter("sbranch");
```

```
    String address = req.getParameter("sadd");
```

```
    out.println("your name is" + sname);
```

```
    out.println("your address is" + sadd);
```

```
    out.println("your branch is" + sbranch);
```

```
}
```



Write a program for Http session tracking technique.

Forum.html

```
<html>
<head>
<title> HttpSession </title>
</head>
<body bgcolor = "cyan">
<form method = "get" action = "/HttpSessionApp1" >
Employee name <input type = "text" name = "name"> <br>
Employee address <input type = "text" name = "add"> <br>
<input type = "submit" name = "send" value = "send">
</form>
</body>
</html>
```

HttpSessionEx1.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HttpSessionEx1 extends HttpServlet {
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException {
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        String ename = req.getParameter("name");
```



```

String eadd = req.getParameter("add");
HttpSession sn = req.getSession();
out.println("Your Session id" + sn.getId());
sn.setAttribute("emp name", ename);
sn.setAttribute("emp address", eadd);
out.println("<A href = '/HttpSessionApp/second' > show my  

Details </A >");
}

```

HttpSessionEx2.java

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HttpSessionEx2 extends HttpServlet {
    public void doGet(HttpServletRequest req, HttpServletResponse
        res) throws ServletException, IOException {
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        String ename = req.getParameter("name");
        String eaddress = req.getParameter("address");
        HttpSession sn = req.getSession();
        String name = sn.getAttribute("empname");
        String address = sn.getAttribute("empaddress");
        out.println("name: " + name);
        out.println("address: " + address);
        out.println("<A href = '/HttpSessionApp/form.html' >  

new form </A >");
    }
}

```



```
out.println("Thank you for using my application");
```

```
}
```

```
}
```

web.xml

```
<web-apps>
```

```
<servlet>
```

```
<servlet-name> Ex1 </servlet-name>
```

```
<servlet-class> HttpSessionEx1 </servlet-class>
```

```
</servlet>
```

```
<servlet-mapping>
```

```
<servlet-name> Ex1 </servlet-name>
```

```
<url-pattern> /hai </url-pattern>
```

```
</servlet-mapping>
```

```
<servlet>
```

```
<servlet-name> Ex2 </servlet-name>
```

```
<servlet-class> HttpSessionEx2 </servlet-class>
```

```
</servlet>
```

```
<servlet-mapping>
```

```
<servlet-name> Ex2 </servlet-name>
```

```
<url-pattern> /bye </url-pattern>
```

```
</servlet-mapping>
```

```
</web-apps>
```



## program for Cookies session tracking techniques in servlets

forum.html :

```
<html>
<head> <title> student forum </title> </head>
<body bg color = "cyan">
<form method = "get" action = "/CookieApplFirst">
  student name <input type = "text" name = "name">
  student branch <input type = "text" name = "branch">
  student roll no <input type = "text" name = "rollno">
  <input type = "submit" name = "send" value = "send">
</form>
</body>
</html>
```

CookieEx1.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class CookieEx1 extends HttpServlet {
  public void doPost (HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException {
    res.setContentType ("text/html");
    PrintWriter out = res.getWriter();
    String name = req.getParameter ("name");
    String address = req.getParameter ("addr");
```



```

String Rollno = req.getParameter("roll no");
Cookie c1 = new Cookie("stuname", "name");
Cookie c2 = new Cookie("stubranch", "branch");
Cookie c3 = new Cookie("sturooll", "rollno");
res.add(c1);
res.add(c2);
res.add(c3);
out.println("<? href=CookieAppbye> show Cookie  
Details <?>");
}
}

```

CookieEx2.java

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class CookieEx2 extends HttpServlet {
    public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException {
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        out.println(c[0].getName + ":" + c[0].getValue());
        out.println("<br><br>");
        out.println(c[1].getName + ":" + c[1].getValue());
        out.println("<br><br>");
        out.println(c[2].getName + ":" + c[2].getValue());
    }
}

```

```
out.println("<A href = /CookieAppl/Student form. html >  
New form </A>");
```

```
out.println(" Thanks for visiting our Application");
```

```
}
```

```
}
```





Reading, Initialized Parameters (JSP)

forum.html write a program for connecting a servlet with database.

Mysql.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.sql.*;
import java.util.*;

public class MysqlServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException, ClassNotFoundException, SQLException {
        response.setContentType("text/html; charset = UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/mydatabase",
                "root", "");
```



```
out.println("Connection established successfully <br><br>");  
Prepared Statement stmt = con.prepareStatement("insert  
into student values(?,?)");  
stmt.setString(1, "Rajesh");  
stmt.setString(2, "CSE");  
int i = stmt.executeUpdate();  
out.println(i + "records inserted");
```

```
}
```

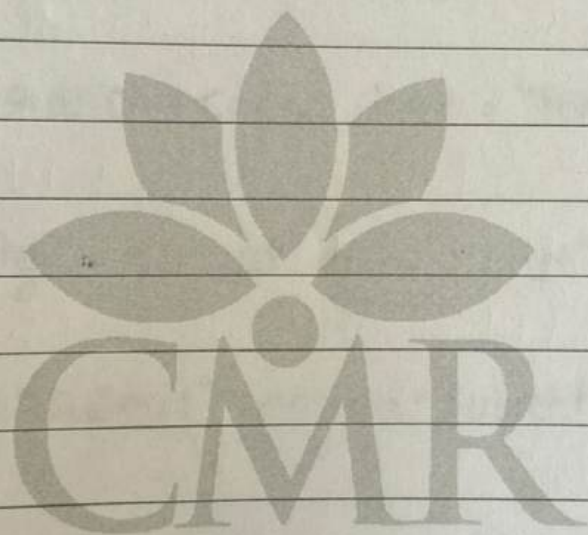
```
finally {
```

```
    out.close();
```

```
}
```

```
}
```

```
}
```



GROUP OF INSTITUTIONS

EXPLORE TO INVENT



## Reading and initializing JSP parameters.

forum.html

```
<html>
  <body>
    <form method = "get" action = "studentEx1.jsp">
      Enter Student name: <input type = "text" name = "sname">
      <br><br>
      Enter Student branch: <input type = "text" name = "sbranch">
      <br><br>
      Enter Student Age: <input type = "text" name = "sage">
      <br><br>
      <input type = "submit" name = "submit">
    </form>
  </body>
</html>
```

web.xml

```
<web-app>
  <servlet>
    <servlet-name>first</servlet-name>
    <jsp-file>WEB-INF/classes/first.jsp</jsp-file>
  </servlet>
  <servlet-mapping>
    <servlet-name>first</servlet-name>
```



```
<url-pattern>/first</url-pattern>  
<servlet-mapping>  
</web-app>
```

First.jsp

Welcome

```
<br><br>  
<%
```

```
String name = request.getParameter("sname")
```

```
String name = request.getParameter("sbranch")
```

```
int age = Integer.parseInt(request.getParameter("sage"));  
%>
```

```
Student name is : <% = name %> <br><br>
```

```
Student Branch is : <% = branch %> <br><br>
```

```
Student age is : <% = age %> <br><br>
```

```
<a href = /jspforum/parameter/form.html>JSP Forum Parameter
```

```
New Forum </a> <br>
```

```
Have a nice day.
```



Write a program for HTTP session tracking technique in JSP.

EmpForm.html

```
<html>
```

```
<body><center>
```

```
<form action = "HttpSessionEx.jsp" method = "get">
```

```
Enter Employee name: <input type = "text" name = "ename">
```

```
<br><br>
```

```
Enter Employer Designation: <input type = "text" name = "edesign">
```

```
<br><br>
```

```
<input type = "submit" name = "send">
```

```
</form>
```

```
</center>
```

```
</body>
```

```
</html>
```

EXPLORE TO INVENT

HttpSessionEx1.java

```
import javax.servlet.*;
```

```
import javax.servlet.http.*;
```

```
import java.io.*;
```

```
public class HttpSessionEx1 extends HttpServlet {
```

```
    public void doGet(HttpServletRequest req, HttpServletResponse
```

```
    res) throws ServletException, IOException {
```

```
        res.setContentType("text/html");
```



```

printWriter out = res.getWriter();
String ename = req.getParameter("ename");
String design = req.getParameter("edesign");
HttpSession sn = req.getSession();
sn.setAttribute("empname", ename);
sn.setAttribute("empDesign", design);
out.println("your session id" + sn.getId());
}
}

```

## HttpSessionEx2.java

```

import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;

public class HttpSessionEx2 extends HttpServlet {
    public void doGet(HttpServletRequest req, HttpServletResponse
        res) throws ServletException, IOException {
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        HttpSession sn = req.getSession();
        String ename = sn.getAttribute("empName");
        String empdesign = sn.getAttribute("empDesign");
        out.println("Employee name is " + ename);
        out.println("Employee designation is " + empdesign);
        out.println("<a href = HttpSessionApp/empform.htm>
            |> Newform </a>");
    }
}

```



HttpSession Ex1.jsp

Welcome to my Session Tracking App

<br><br>

<%

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

String design = request.getParameter("edesign");

HttpSession sn = request.getSession();

sn.setAttribute("empName", name);

sn.setAttribute("empdesign", design);

%>

Employee details are

<%

String ename = sn.getAttribute("empName");

String design = sn.getAttribute("empDesign");

%>

Employee details <br><br>

Employee name is

<% = ename %> <br><br>

<a href = HttpSessionApp1Empform.html#newForm </a>

Thank you for visiting my Application.