

## Session Handling

---

=> Session is just like a Global Variable that contains a value and this value can be access on any web Page inside current Application.

=> Data which is stored using Session, it should be store in Server memory.

=> Session Handling is applicable only for HttpServlet, not for GenericServlet.

=>There is a pre define class named as javax.servlet.http.HttpServlet

## Object Creation for HttpSession

---

```
HttpSession session=request.getSession();
```

## Adding Data into Session

---

There are 2 Methods used to add data into Session

```
session.putValue("VariableName",<Value>);//dpr
```

```
session.setAttribute("VariableName",<Value>);
```

## Example

Analyze InfoTech, Janpriya Complex, Phase-II, Tedhi Puliya, Aliganj Lucknow Ph. No.9453193268,9839434821

E-mail. [admin@analyzeinfotech.in](mailto:admin@analyzeinfotech.in), Website: [www.analyzeinfotech.in](http://www.analyzeinfotech.in)

---

```
session.putValue("user","Analyze");  
session.putValue("pswd","Lucknow");
```

or

```
session.setAttribute("user","Analyze");  
session.setAttribute("pswd","Lucknow");
```

#### Reading Data from Session

---

```
String user=session.getValue("user").toString();  
String pswd=session.getValue("pswd").toString();
```

or

```
String user=session.getAttribute("user").toString();  
String pswd=session.getAttribute("pswd").toString();
```

#### Updating Data of Session

---

```
session.putValue("user","Analyze Infotech");  
session.putValue("pswd","Lko");
```

or

```
session.setAttribute("user","Analyze Infotech");
```

Analyze InfoTech, Janpriya Complex, Phase-II, Tedhi Puliya, Aliganj Lucknow Ph. No.9453193268,9839434821

E-mail. [admin@analyzeinfotech.in](mailto:admin@analyzeinfotech.in), Website: [www.analyzeinfotech.in](http://www.analyzeinfotech.in)

```
session.setAttribute("pswd","Lko");
```

#### Delete Data from Session

---

```
session.putValue("user",null);  
session.putValue("pswd",null);
```

or

```
session.removeAttribute("user");  
session.removeAttribute("pswd");
```

#### Session Handling

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```
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### Example

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```
session.putValue("user","Analyze");  
session.putValue("pswd","Lucknow");
```

or

```
session.setAttribute("user","Analyze");  
session.setAttribute("pswd","Lucknow");
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### Reading Data from Session

---

```
String user=session.getValue("user").toString();  
String pswd=session.getValue("pswd").toString();
```

or

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E-mail. [admin@analyzeinfotech.in](mailto:admin@analyzeinfotech.in), Website: [www.analyzeinfotech.in](http://www.analyzeinfotech.in)

```
String user=session.getAttribute("user").toString();  
String pswd=session.getAttribute("pswd").toString();
```

#### Updating Data of Session

---

```
session.putValue("user","Analyze Infotech");  
session.putValue("pswd","Lko");
```

or

```
session.setAttribute("user","Analyze Infotech");  
session.setAttribute("pswd","Lko");
```

#### Delete Data from Session

---

```
session.putValue("user",null);  
session.putValue("pswd",null);
```

or

```
session.removeAttribute("user");  
session.removeAttribute("pswd");
```

```
egistration.java * LoginPage.java * HomePage.java * LoginValidate.java * EmpReg.java * EmpShowData.java * EmpRegConf.java * ChangePassword.java
History

protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter())
    {
        String user=request.getParameter("user");
        String password=request.getParameter("pswd");
        DBConnect db=new DBConnect();
        db.pstmt=db.con.prepareStatement("select * from login where user=? and password=?");
        db.pstmt.setString(1, user);
        db.pstmt.setString(2, password);
        db.rst=db.pstmt.executeQuery();
        if(db.rst.next())
        {
            HttpSession session=request.getSession();
            //session.putValue("user",user);
            session.setAttribute("user", user);
            response.sendRedirect("HomePage?user="+user);
        }
    }
}
```

HTTP Server Monitor

```
import javax.servlet.http.HttpServletResponse;
public class HomePage extends HttpServlet {
    protected void service(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet HomePage</title>");
            out.println("</head>");
            out.println("<body bgcolor=lightblue>");
            out.println("<h1>Welcome on Home Page</h1>");
            out.println("<h2>User Name:" + request.getParameter("user") + "</h2>");
            out.println("<a href=ChangePassword>Change Password</a>");
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

/\*

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\*/

package login;

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;

```
public class ChangePassword extends HttpServlet {  
    protected void service(HttpServletRequest request, HttpServletResponse response)  
        throws ServletException, IOException {  
        response.setContentType("text/html;charset=UTF-8");  
        try (PrintWriter out = response.getWriter()) {  
            out.println("<!DOCTYPE html>");  
            out.println("<html>");  
            out.println("<head>");  
            out.println("<title>Servlet LoginPage</title>");  
            out.println("</head>");  
            out.println("<body><center>");  
            out.println("<h1>Change Password</h1>");  
            out.println("<form action=ChangePasswordConf>");  
            out.println("<table width=600 cellpadding=20 border=0 bgcolor=pink>");  
            out.println("<tr><td>Old Password</td><td><input type=password name=opswd></td></tr>");  
            out.println("<tr><td>New Password</td><td><input type=password name=npswd></td></tr>");  
            out.println("<tr><td>Confirm Password</td><td><input type=password name=npswd></td></tr>");  
            if(request.getParameter("msg")!=null)  
            {  
                out.println("<tr><td colspan=2><span style='color:red;font-size:20px;'>"  
                    + ""+request.getParameter("msg")+ "</span></td></tr>");  
            }  
            out.println("<tr><td><input type=submit value=Submit></td><td>"  
                + "<input type=Reset value=Reset></td></tr>");  
            out.println("</table></form></center></body>");  
            out.println("</html>");  
        }  
    }  
}
```



```
/*
```

```
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```

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```

```
* and open the template in the editor.
```

```
*/
```

```
package login;
```

```
import DB.DBConnect;
```

```
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 javax.servlet.http.HttpSession;
```

```
public class ChangePasswordConf extends HttpServlet {
```

```
    protected void service(HttpServletRequest request, HttpServletResponse response)
```

```
        throws ServletException, IOException {
```

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

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

```
        {
```

```
            String opswd=request.getParameter("opswd");
```

```
            String npswd=request.getParameter("npswd");
```

```
            String cpswd=request.getParameter("cpswd");
```

```
            HttpSession session=request.getSession();
```

```
            String user=session.getAttribute("user").toString();
```

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```
DBConnect db=new DBConnect();
db.pstmt=db.con.prepareStatement("select * from login where user=? and pswd=?");
db.pstmt.setString(1, user);
db.pstmt.setString(2, opswd);
db.rst=db.pstmt.executeQuery();
if(db.rst.next())
{
    if(npswd.equals(cpswd))
    {
        db.pstmt=db.con.prepareStatement("update login set pswd=? where user=?");
        db.pstmt.setString(1, npswd);
        db.pstmt.setString(2, user);
        int i=db.pstmt.executeUpdate();
        if(i>0)
        {
            response.sendRedirect("HomePage?msg=Password Updated Successfully");
        }
    }
    else
    {
        response.sendRedirect("ChangePassword?msg=New and Confirm Password does not Match");
    }
}
else
{
    response.sendRedirect("ChangePassword?msg=Old Password does not Valid");
}
}

catch(Exception e)
```

```
{  
    e.printStackTrace();  
}  
}  
}
```

