

javax.servlet.http.Cookie

---

=> Cookie is a Text information that stores on client side and this information can access anywhere in web Application.

=> There are 2 types of Cookie

1. In Memory Cookie
2. Persistent Cookie

1. In Memory Cookie

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=> such type Cookie should store in Browser memory and it is automatically deleted when browser is Closed.

2. Persistent Cookie

---

=> Such type Cookie should store for specific Time, after this duration, it is automatically deleted after this duration.

Note: Cookie is applicable only for HttpServlet.

Creating Object of Cookie

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```
Cookie ck1=new Cookie("user","analyze");  
Cookie ck2= new Cookie("pswd","Lucknow");
```

How to make Persistent Cookie

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```
ck2.setMaxAge(30*24*60*60);//30 days here Time is given in Second
```

Add Cookie on Client Side

---

```
response.addCookie(ck1);  
response.addCookie(ck2);
```

How to get Data from Cookie

---

```
Cookie ck[]=request.getCookies();  
  
for(int i=0;i<ck.length;i++)  
{  
    out.print.println("Cookie Name"+ck[i].getName());  
  
    out.print.println("Cookie Value"+ck[i].getValue());  
  
}
```

Updating Value of Cookie

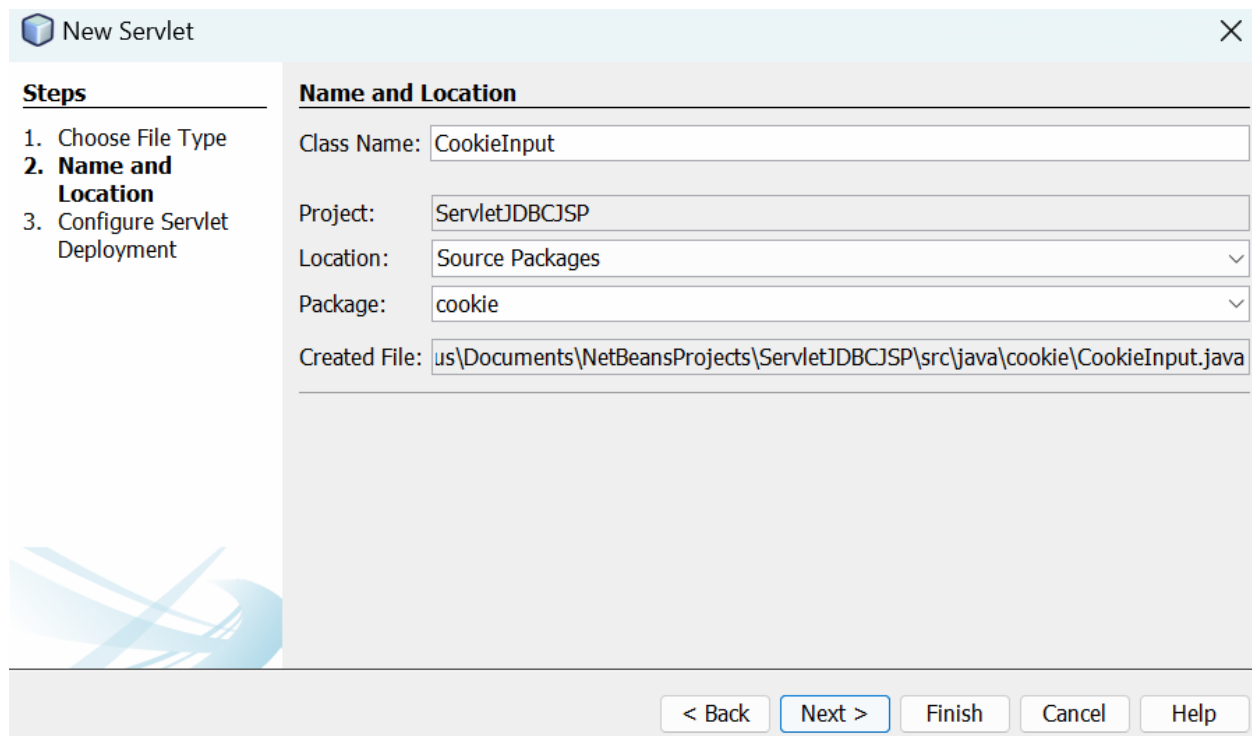
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```
ck1=new Cookie("user","Analyze Infotech");
```

#### Note

\_\_\_\_\_ Using Program we can not delete Cookie



The image shows a 'New Servlet' dialog box from an IDE. It has a sidebar with 'Steps' and a main area for 'Name and Location'.

**Steps**

1. Choose File Type
- 2. Name and Location**
3. Configure Servlet Deployment

**Name and Location**

Class Name:

Project:

Location:

Package:

Created File:

Buttons: < Back, Next >, Finish, Cancel, Help

```
package cookie;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.HttpServlet;
```

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```
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class CookieInput 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>Login Information</title>");
            out.println("</head>");
            out.println("<body><center>");
            out.println("<h1>Login Information</h1>");
            out.println("<form action=AddCookie>");
            out.println("<table width=500 border=1 bgcolor=lightyellow cellpadding=20>");
            out.println("<tr><td width=250>User Name</td><td><input type=text name=user></td></tr>");
            out.println("<tr><td>Password</td><td><input type=password name=pswd></td></tr>");
            out.println("<tr><td><input type=submit></td><td><input type=reset></td></tr>");
            out.println("</table></form></center></body>");
            out.println("</html>");
        }
    }
}
```

New Servlet

Steps

1. Choose File Type

2. **Name and Location**

3. Configure Servlet Deployment

**Name and Location**

Class Name:

Project:

Location:

Package:

Created File:

```
package cookie;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.Cookie;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
public class AddCookie extends HttpServlet {
```

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

```
    {
```

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

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

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```
out.println("<!DOCTYPE html>");
out.println("<html>");
out.println("<head>");
out.println("<title>Servlet AddCookie</title>");
out.println("</head>");
out.println("<body>");
String user=request.getParameter("user");
String pswd=request.getParameter("pswd");
Cookie ck1=new Cookie("user",user);
Cookie ck2=new Cookie("pswd",pswd);
response.addCookie(ck1);
response.addCookie(ck2);
out.println("<h1>Data Added into Cookie</h1>");
out.println("<h3><a href=ReadCookie>Read Data from Cookie</a></h3>");
out.println("</body>");
out.println("</html>");
    }
}

}
```

---

 New Servlet ×

**Steps**

1. Choose File Type
- 2. Name and Location**
3. Configure Servlet Deployment

**Name and Location**

Class Name:

ReadCookie

Project:

ServletJDBCJSP

Location:

Source Packages

▼

Package:

cookie

▼

Created File:

projects\ServletJDBCJSP\src\java\cookie\ReadCookie.java

```
package cookie;
```

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class ReadCookie 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 ReadCookie</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h1>Data form Cookie ");
        Cookie cookie[]=request.getCookies();
        for(int i=0;i<cookie.length;i++)
        {
out.println("<h2>"+cookie[i].getName()+"<i>"+cookie[i].getValue()+"</i></h2>");
        }

        out.println("</body>");
        out.println("</html>");
    }
    catch(Exception e)
    {
        e.printStackTrace();
    }
}

}
```





