

## What are Cookies?

Cookie is a small piece of data stored on your computer by the server.

Cookie is a key value pair stored by server on your computer.

Cookie is stored in the browser data.

Cookie can have expiration dates.

After the expiration date arrives of a cookie within your browser becomes invalid or is deleted by the browser.

Cookies are used when server wants to remember your login like you see Remember Me on websites.

You might ask what is the difference between sessions and cookies.

session variable is a piece of data stored on server when you visit a website but cookie is stored on client side in a browser.

## Java Implementation of Cookie is as follows

import for Cookie Class in java is

```
import jakarta.servlet.http.Cookie;
```

Create two servlets in a Java Web application with name as setcookie.java and getcookie.java

Code for setcookie.java is given below

---

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter()) {
        /* TODO output your page here. You may use following sample code. */
        Cookie a=new Cookie("username","raman");
        response.addCookie(a);
        out.println("Cookie with name username has been set");
    }
}
```

Code for getcookie.java is

---

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter()) {
```

```
/* TODO output your page here. You may use following sample code. */  
Cookie[] c=request.getCookies();  
  
int l;  
for(l=0;l<c.length;l++)  
{  
    if(c[l].getName().equals("username"))  
    {  
        out.println(c[l].getValue());  
    }  
}  
}  
}
```

---