**Cookie**

A cookie is a small piece of information that is persisted between the multiple client requests.

A cookie has a name, a single value, and optional attributes such as a comment, path and domain qualifiers, a maximum age, and a version number.

The cookie is stored in the user browser, the client (user’s browser) sends this cookie back to the server for all the subsequent requests until the cookie is valid.

**Cookie remains active as long as the user’s browser is running**, as soon as the browser is closed, the cookie and associated session info is destroyed.

When the user opens the browser again and sends request to web server, the new session is being created

Types of Cookie

1) **SessionCookies**:

Session cookies do not have expiration time. It lives in the browser memory. As soon as the web browser is closed this cookie gets destroyed.

2) **Persistent Cookies**:

Unlike Session cookies they have expiration time, they are stored in the user hard drive and gets destroyed based on the expiry time.

How to **send** and create **cookie**?

Cookie c = new Cookie("userName","Soe Soe");

By using **setMaxAge ()** method we can set the maximum age for the particular cookie in seconds.

c.setMaxAge(1800);

Can send the cookie to the client browser through **response.addCookie()** method

response.addCookie(c);

**How to read cookies**

Cookie c[]=request.getCookies();

//c.length gives the cookie count

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

out.print("Name: "+c[i].getName()+" & Value: "+c[i].getValue());

}