



## Session Management

Session state - is a server based state mechanism that lets web application store and retrieve objects of any type for each unique user session.

The information can be collected during the session, the process is called session tracking

## Techniques for session tracking

1. Session ID
2. Cookies
3. URL rewriting

Session tracking is a way to maintain state of an user. Also known as session management

HTTP protocol is a stateless, so we need to maintain state using session tracking tech.

## Cookie

↳ has a name + value + comment + path & domain

Expires + lifetime + version no/.

- Types of Cookie
- ① non-persistent
    - valid for single session
    - removed each time - closes the browser
  - ② persistent cookie
    - multiple sessions valid
    - not removed each time when user closes the browser
    - only logout

## Cookie class

javax.servlet.http.Cookie — functionality of every cookie.

Cookie(c)

Cookie(String name, String value)

## Methods

public void setMaxAge(int expiry)

public String getName()

public String getValue()

public void setName(String name)

public void setValue(String value)

1/2

public void addCookie(Cookie c)

public void cookie[] getCookie[]

HTTP Servlet  
Response  
interface



**SNS COLLEGE OF ENGINEERING**  
Kurumbapalayam (Po), Coimbatore - 641 107  
**AN AUTONOMOUS INSTITUTION**  
Accredited by AICTE and Accredited by NAAC - UGC with 'A' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



**DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY**

Create cookie

```
Cookie ck = new Cookie("user", "Sms");  
response.addCookie(ck);
```

Delete cookie

```
Cookie ck = new Cookie("user", "");  
ck.setMaxAge(0);  
response.addCookie(ck);
```