**Session.setAttribute & getAttribute**

The HttpSession object is used for session management. A session contains information specific to a particular user across the whole application.

When a user enters into a website for the first time HttpSession is obtained via *request.getSession(),* the user is given a unique ID to identify his session. This unique ID can be stored into a cookie or in a request parameter.

The HttpSession stays alive until it has not been used for more than the timeout value, the default timeout value is 30 minutes. This means that when the user doesn’t visit web application time specified, the session is destroyed by servlet container.

Create a HttpSession object.

protected void doPost(HttpServletRequest req,

    HttpServletResponse res)

    throws ServletException, IOException {

        HttpSession session = req.getSession();

}

**setAttribute():**

You can store the user information into the session object by using *setAttribute()* method and later when needed this information can be fetched from the session.

*Example:*

session.setAttribute("uName", "ChaitanyaSingh");

session.setAttribute("uemailId", "myemailid@gmail.com");

session.setAttribute("uAge", "30");

Here we are storing username, emailid and user age in session with the attribute name uName, uemailId and uAge respectively. The First parameter is the attribute name and second is the attribute value. For e.g. uName is the attribute name and ChaitanyaSingh is the attribute value in the code above.

**getAttribute():**

To get the value from session we use the *getAttribute()* method of HttpSession interface. Here we are fetching the attribute values using attribute names.

*Example:*

String userName = (String) session.getAttribute("uName");

String userEmailId = (String) session.getAttribute("uemailId");

String userAge = (String) session.getAttribute("uAge");

**removeAttribute():**

To remove the object from the session we use *removeAttribute()* method.

*Example:*

*session.removeAttribute(attribute\_name);*