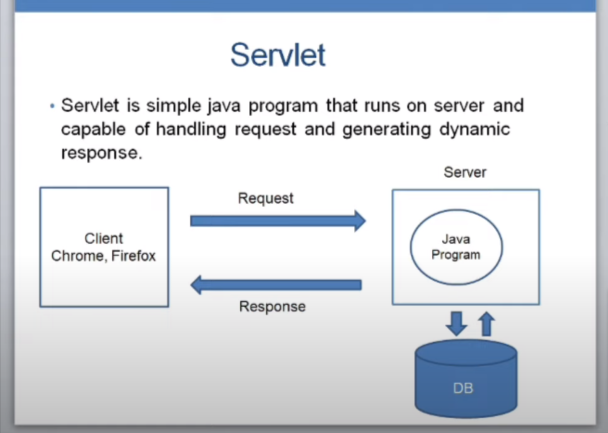
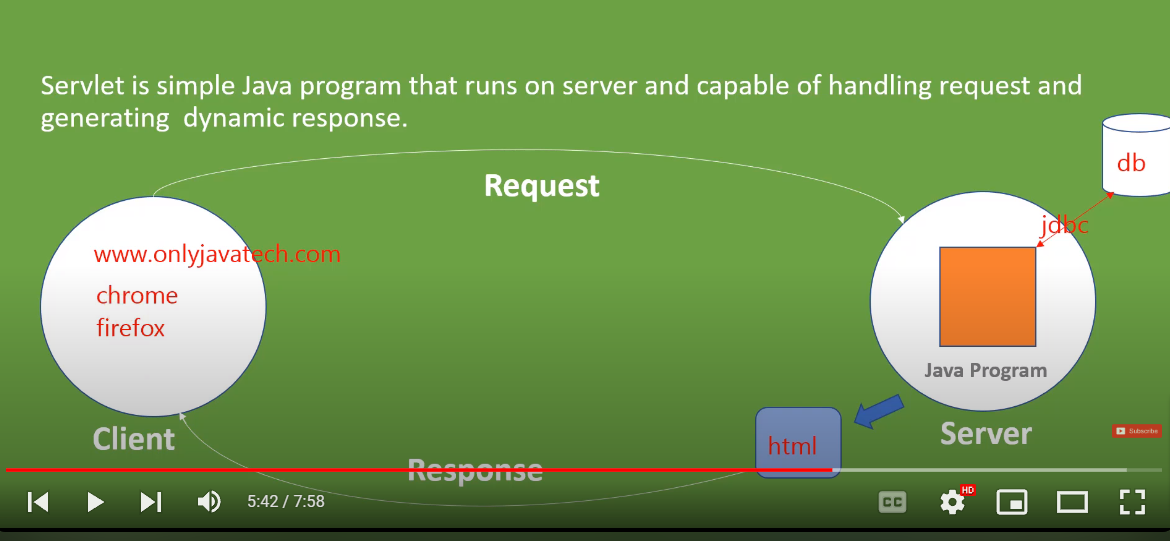
SERVLET



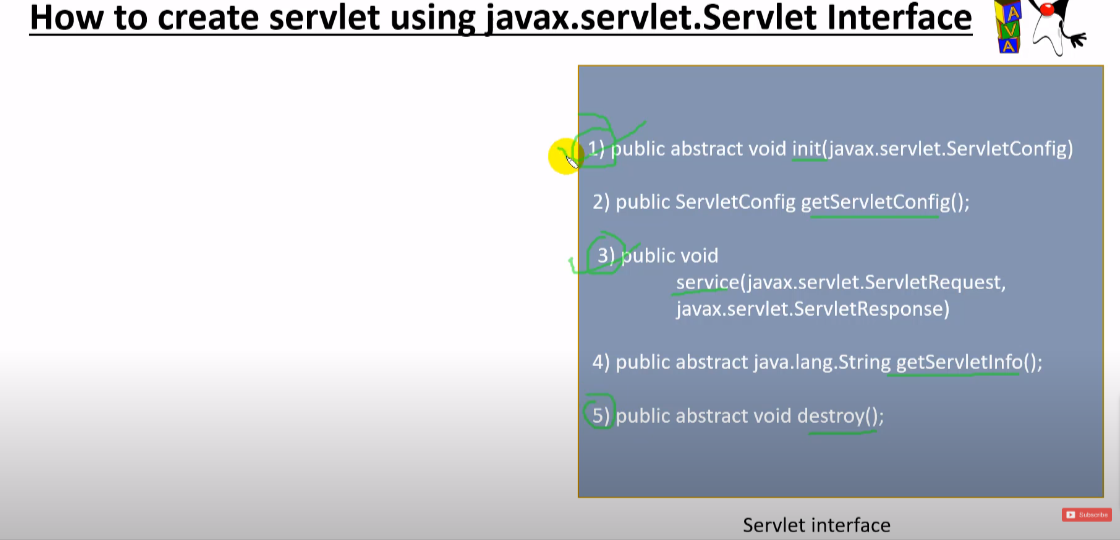


->installing apache tomcat 9

-> seting port : 9494 8080

Username : Ajaj Alam

Password :Ajaj1399#



There are total 5 method in servlet :

i)3 of them are servelet life cycle

a)init – it call as soon object of servelet will be created

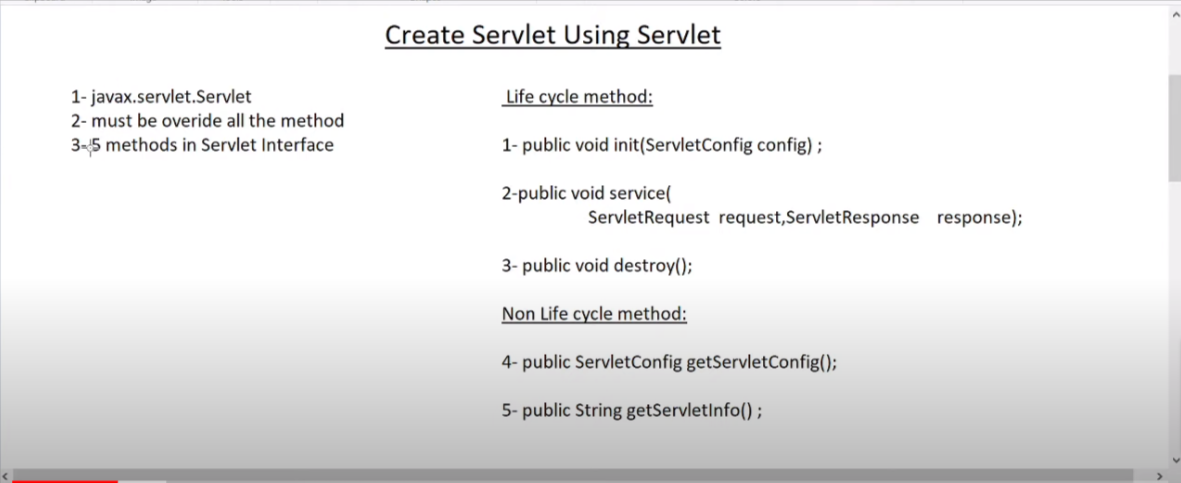
b)services -it handle all the request

c)destroy – it free all the resourece

ii)2 of them are non life cycle method

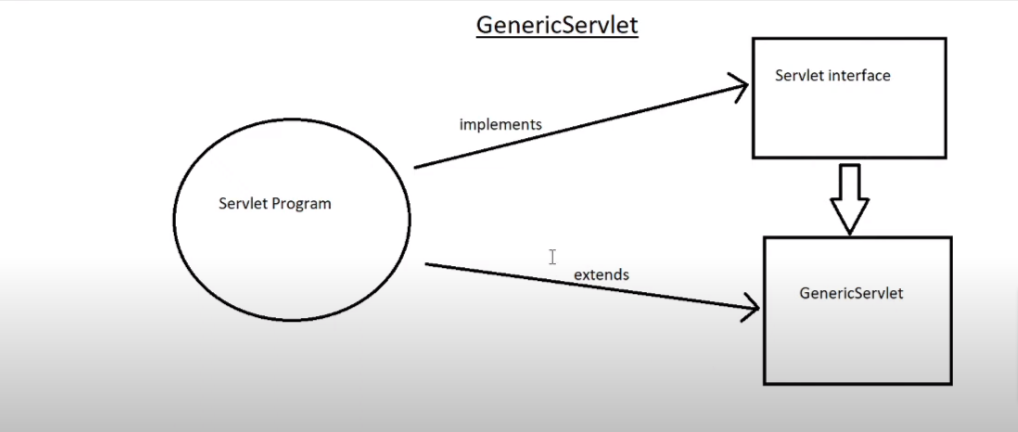


- Creating servlet using Servlet interface





🡺creating Servlet using servlet genric class



🡪creating servlet using httpServlet

public class SecondClass extends HttpServlet {

*@Override*

protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// **TODO** Auto-generated method stub

super.doGet(req, resp);

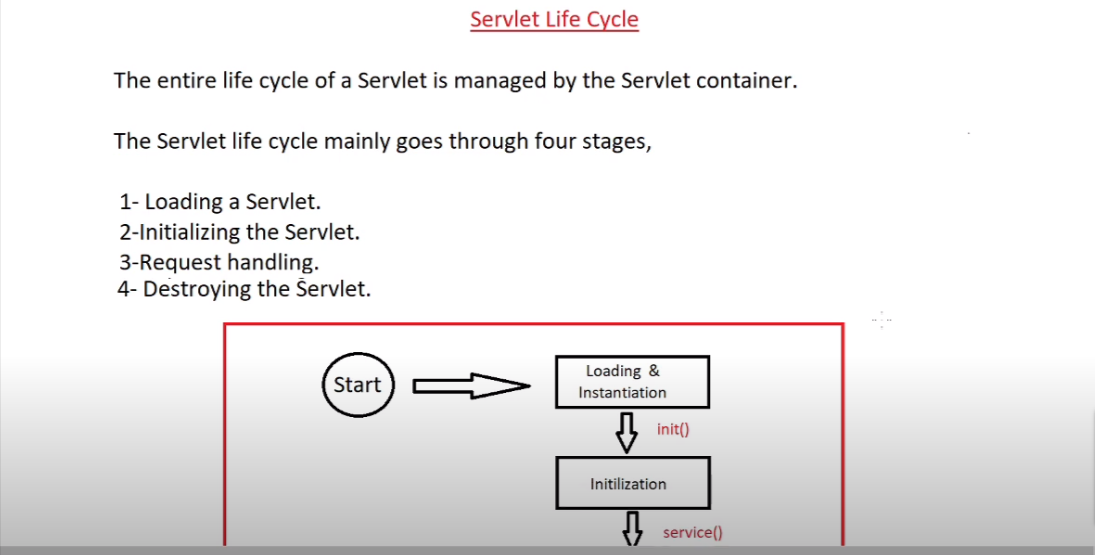
}

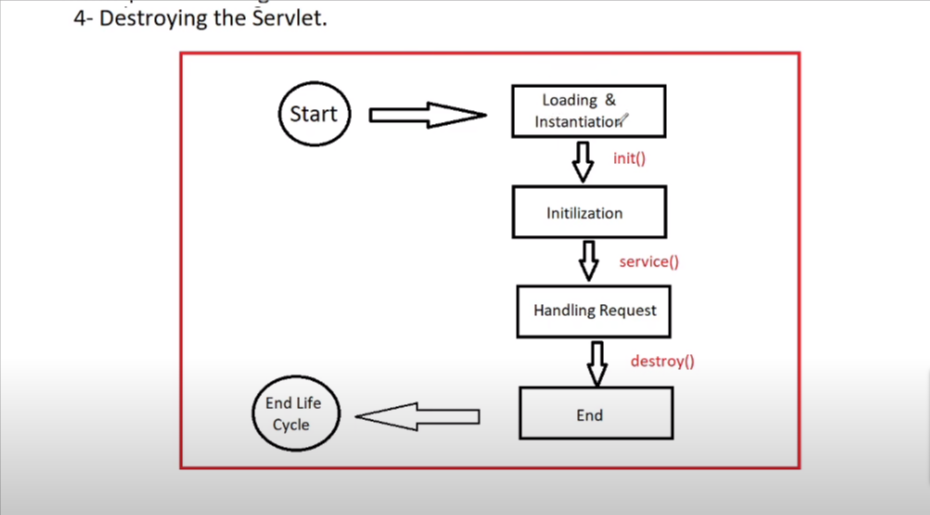
}

Diffrence between sevlet interface and servlet genric class and httpServlet :

i)in servlet interface we have to overid all the five method of javax.servlet but in servlet geric class I just need to overrid only services method but in httpServlet class we do not need to override any method of Servlet

🡪Servlet life Cycle





Form Handling :

package com.servlets;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class FormHandling extends HttpServlet {

*@Override*

protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

String name=req.getParameter("user\_name");

String email=req.getParameter("email");

String password=req.getParameter("password");

resp.setContentType("text/html");

PrintWriter out=resp.getWriter();

out.println("User Name is : "+name);

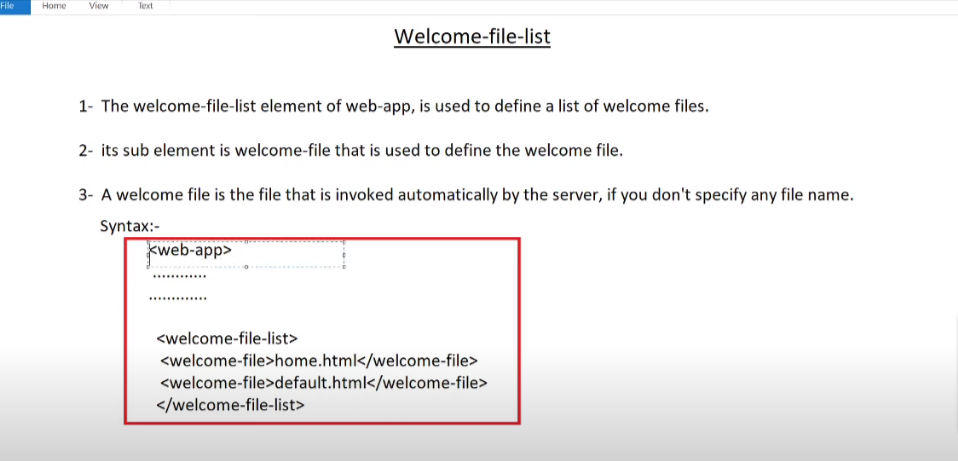
out.println("User email is : "+email);

out.println("User password is : "+password);

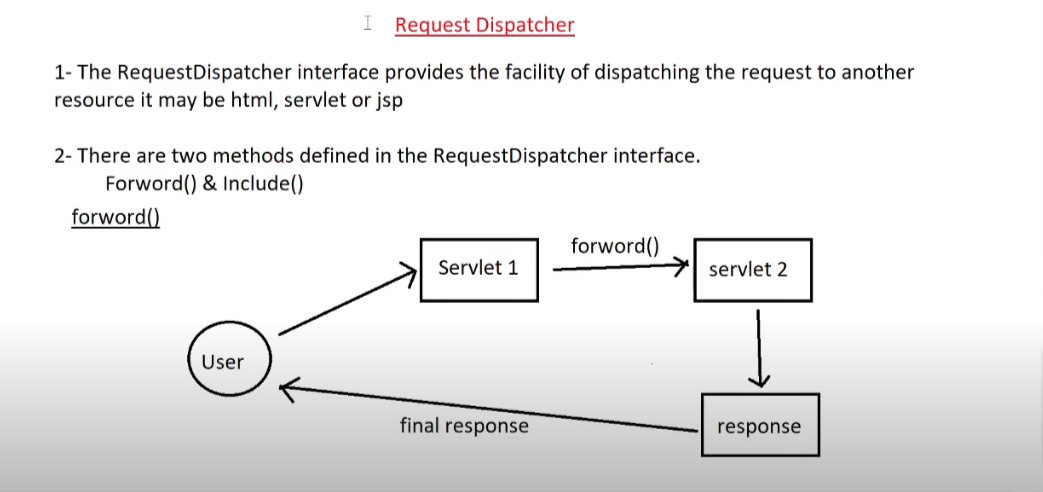
}

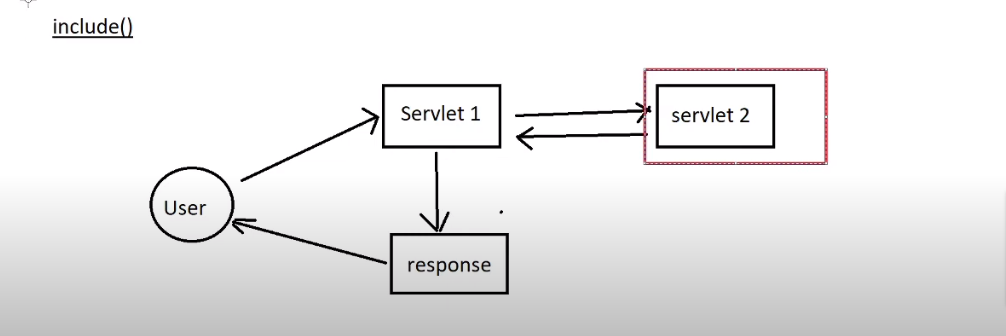
}

Welcome file list : it is prsent in web.xml file



Request dispatcher :





🡪Web Servlet : it is used to do url-patern mapping in shortest way , instead of doing maping in web.xml we can do the maping within the calss itself

Syntax : *@WebServlet*("/login")

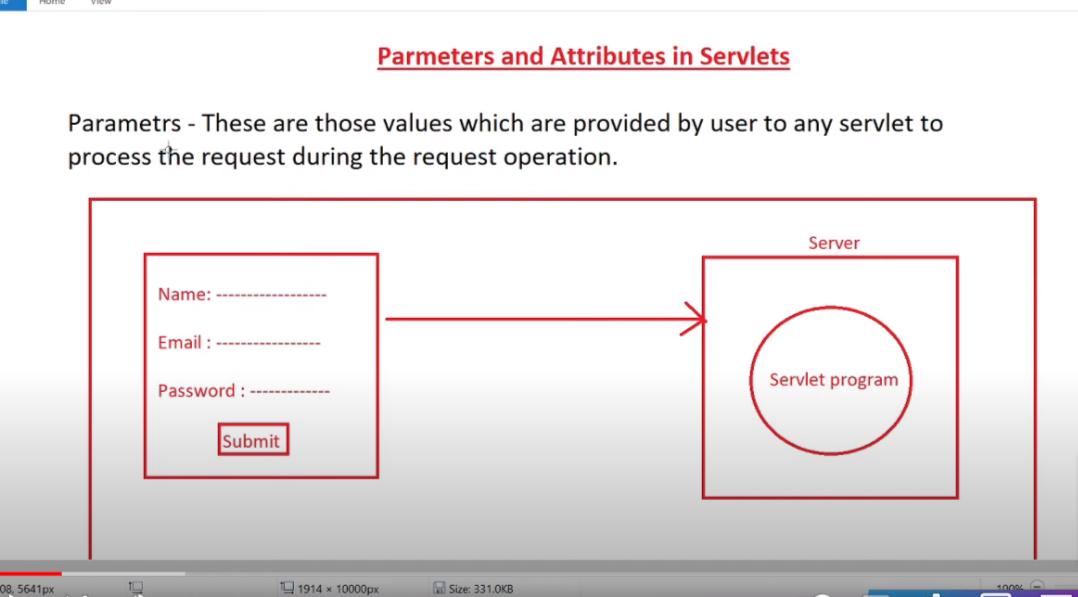
🡪SendRedirect : resp.sendRedirect() is used to redirect to different resource .

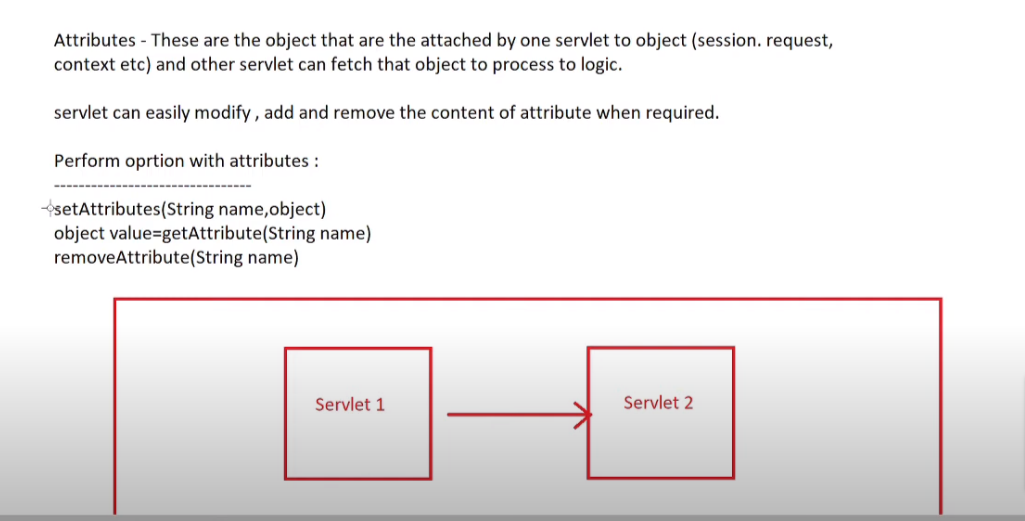
Diffrence between Requestdispatcher and sendRedirect –

i)with the RequestDispatcher there is no new object created to other dispatch resource we will be able to get all the object of previous resource , but in sendRedirect there is creation of new object is take place at every redirect resouce , we will not be able to get the previous object .

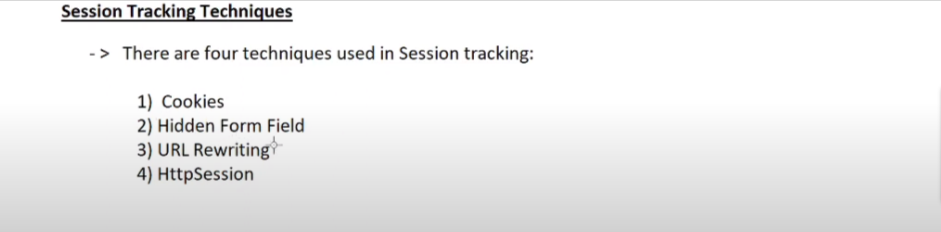
ii)RequestDispatcher is used in serverside redirecting and sendRedirect is used in cilient side redirecting.

🡺Parameter and attributes in servlet :

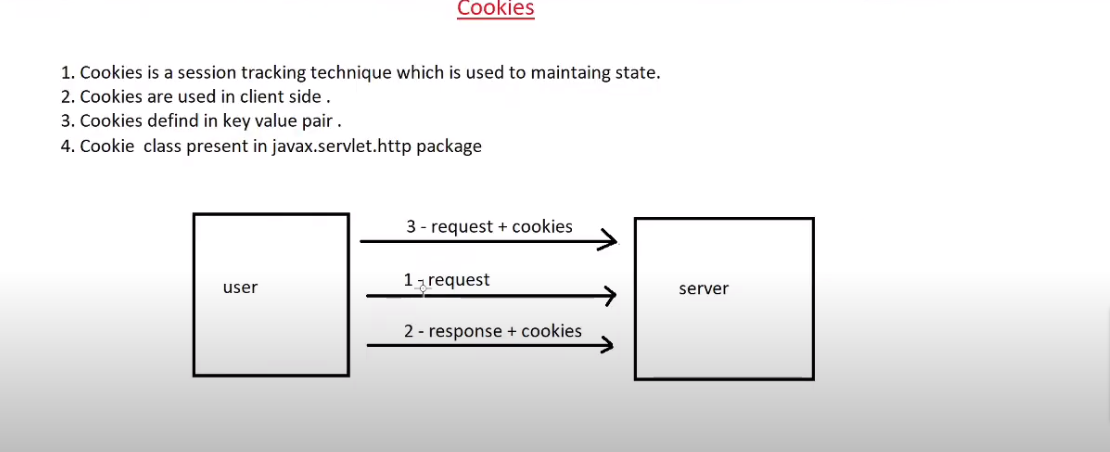




**🡺Sesion tracking in servlet**

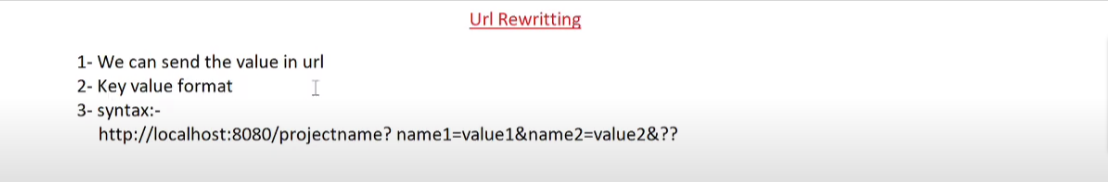


🡪Cookies in servlet :

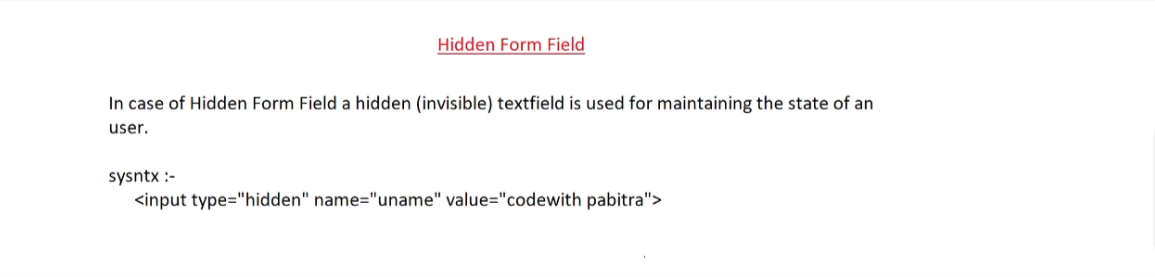


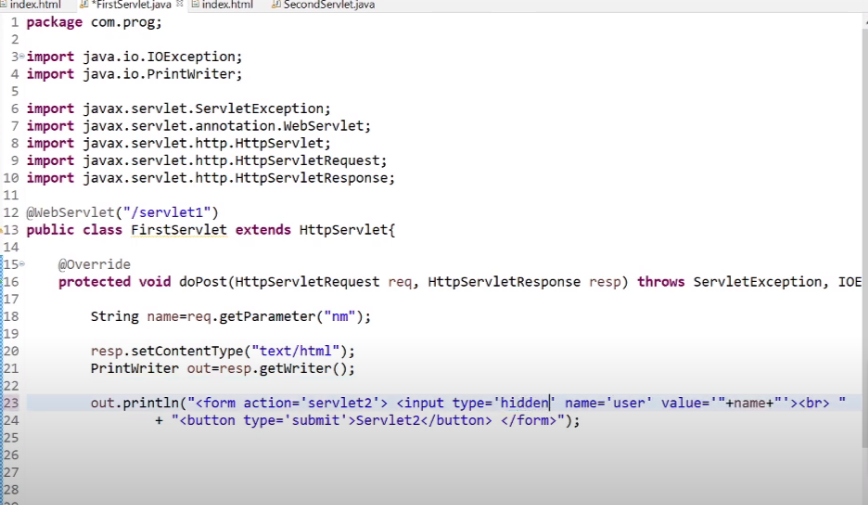
🡪Login form using cookies

🡪url rewriting

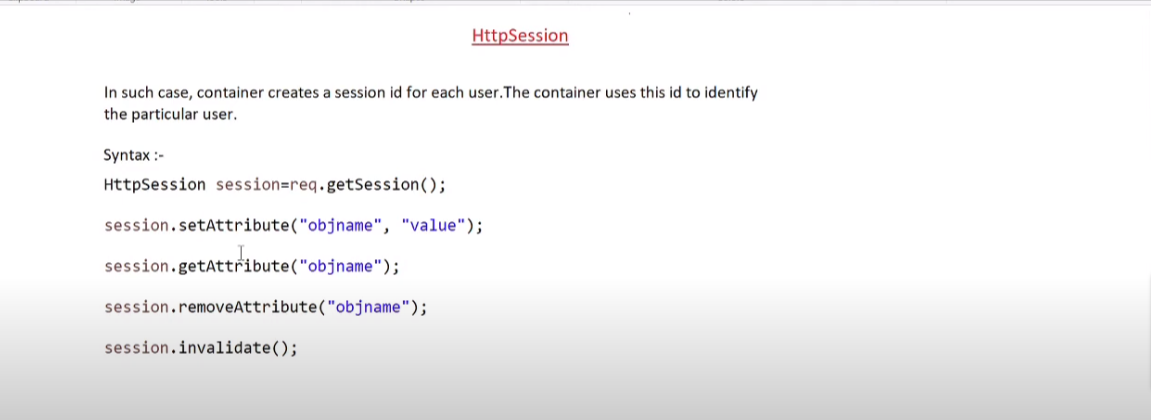


🡪Hidden form field method :



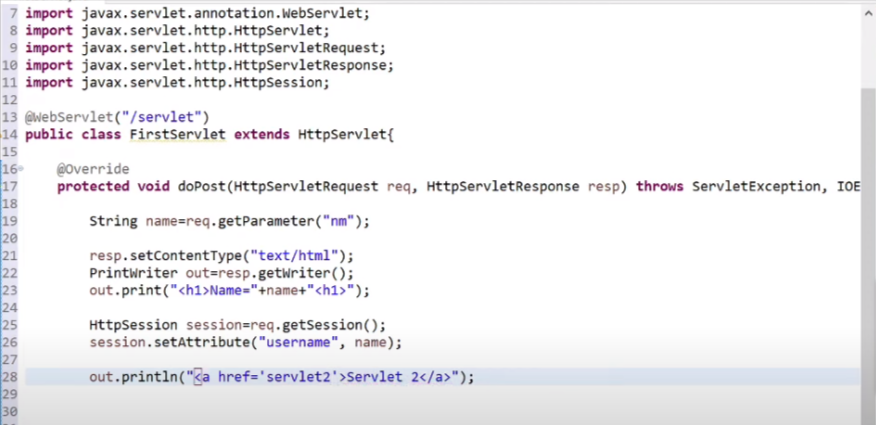


🡪Http season

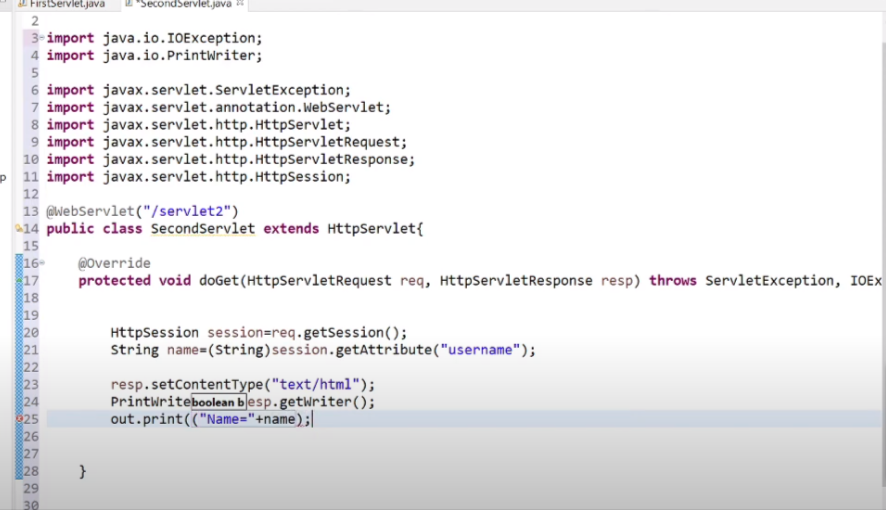


Eg-

Servlet 1



Servlet 2 :



Diffrence between cookie and httpsesion :

Cookie : the value of cookie remain in the local sotrage after the servler is closed but the httpsesson value get removed after the server is closed .