

Lab Test-1

index.html

```
<html>
<head>
  <title>servlet</title>
</head>
<body>
  <form action="servlet1">

    <input type="submit" value="go"/>
  </form>
</body>
</html>
```

web.xml

```
<web-app>

  <servlet>
    <servlet-name>s1</servlet-name>
    <servlet-class>FirstServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>s1</servlet-name>
    <url-pattern>/servlet1</url-pattern>
  </servlet-mapping>

  <servlet>
    <servlet-name>s2</servlet-name>
    <servlet-class>SecondServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>s2</servlet-name>
    <url-pattern>/servlet2</url-pattern>
  </servlet-mapping>

</web-app>
```

FirstServlet.java

```
import java.io.*;
```

```

// import jakarta.servlet.*;
// import jakarta.servlet.http.*;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.ServletException;

public class FirstServlet extends HttpServlet {

    public void doGet(HttpServletRequest request, HttpServletResponse response){
        try{

            response.setContentType("text/html");
            PrintWriter out = response.getWriter();

            // String n=request.getParameter("userName");

            HttpSession session=request.getSession();
            // session.setAttribute("uname",n);

            out.print("<a href='servlet2'>Count</a>");

            out.close();

        }
        catch(Exception e){System.out.println(e);}
    }
}

```

SecondServlet.java

```

// import java.io.*;
// import jakarta.servlet.*;
// import jakarta.servlet.http.*;

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class SecondServlet extends HttpServlet {

    public void doGet(HttpServletRequest request, HttpServletResponse response) {
        try {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();

            // Get session
            HttpSession session = request.getSession(true);

```

```

// Get count from session attribute
Integer count = (Integer) session.getAttribute("count");

// If count is null, initialize it to 0
if (count == null) {
    count = 0;
}

// Increment count
count++;

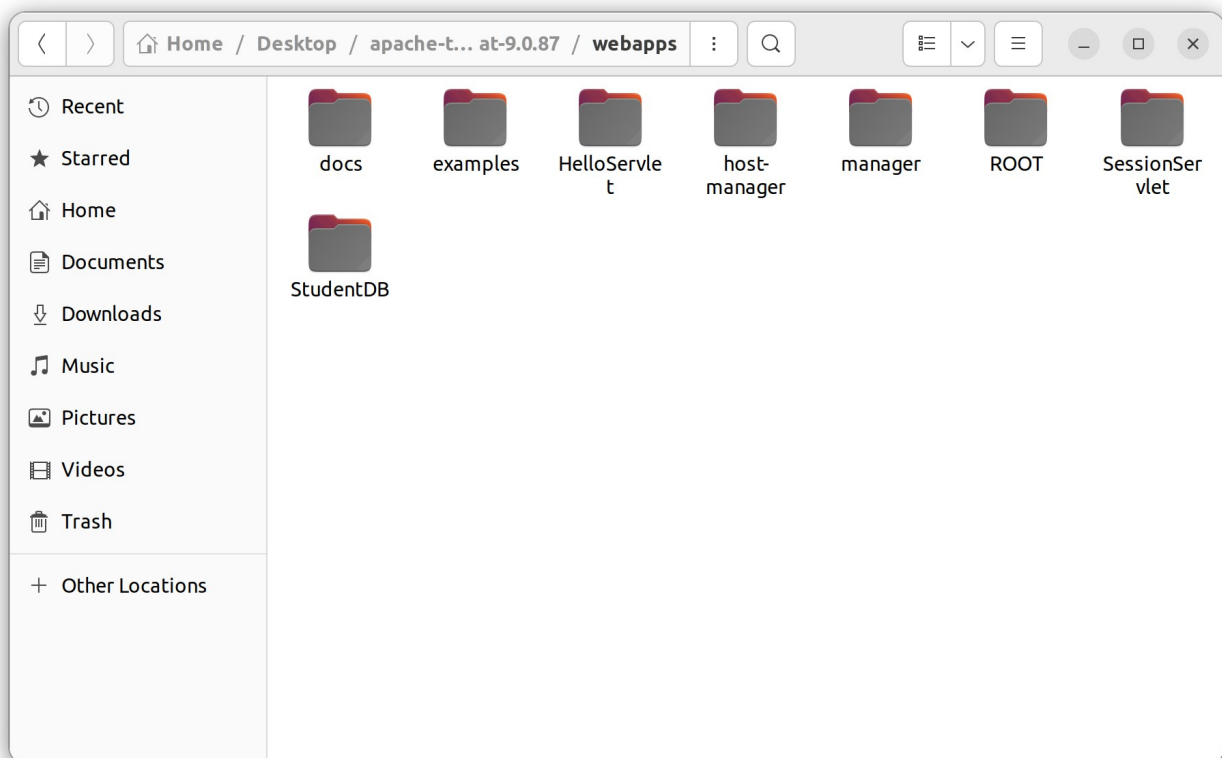
// Update session attribute
session.setAttribute("count", count);

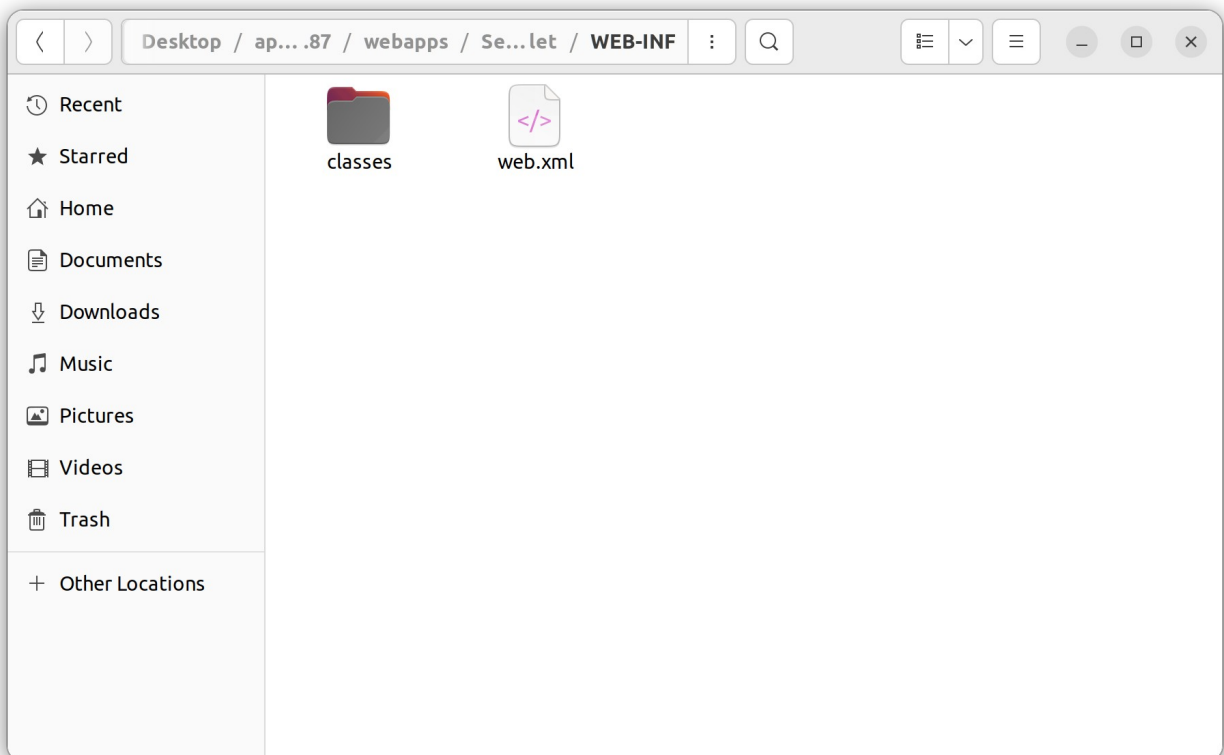
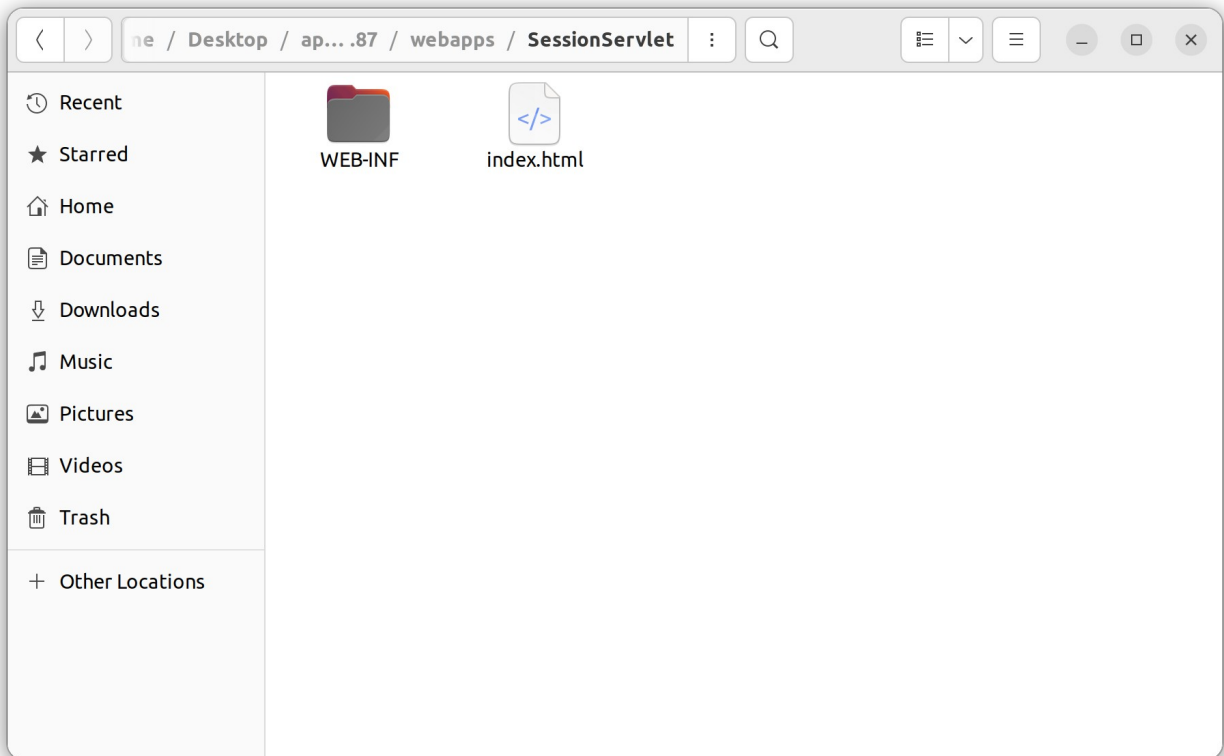
out.print("Number of times the visit link has been clicked: " + count);

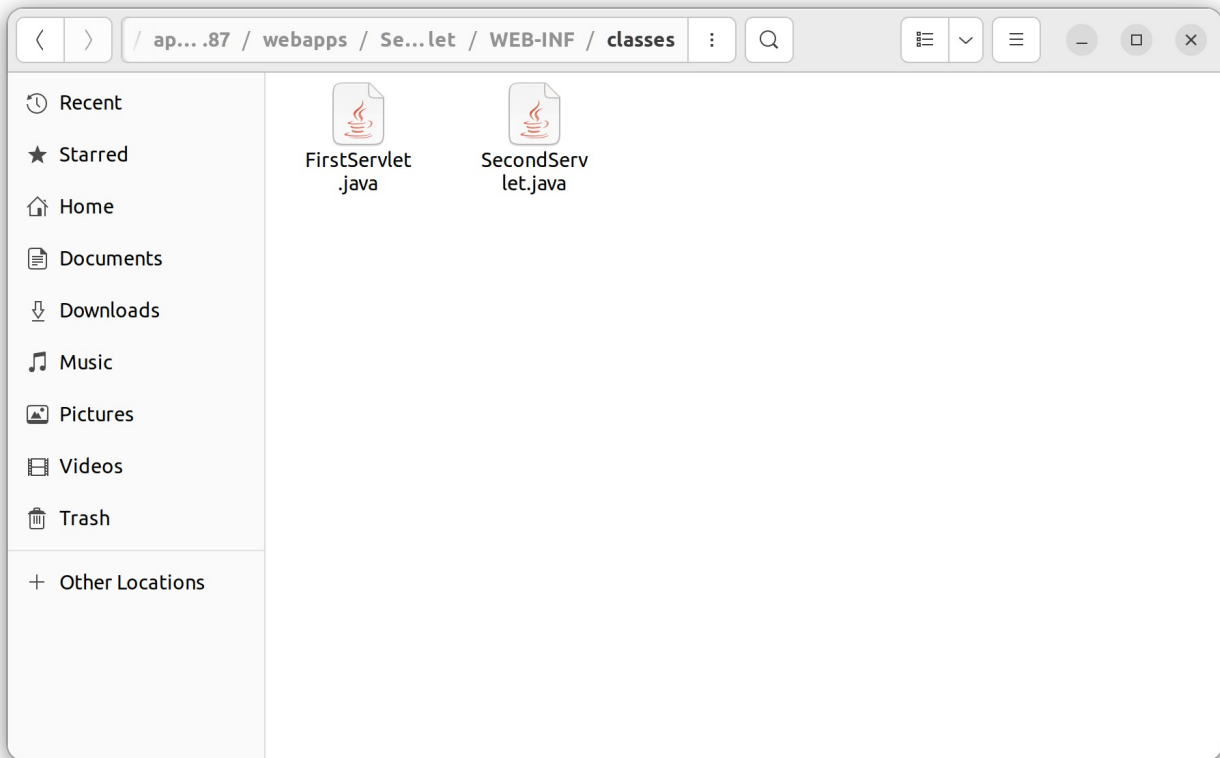
out.close();
} catch (Exception e) {
    System.out.println(e);
}
}
}

```

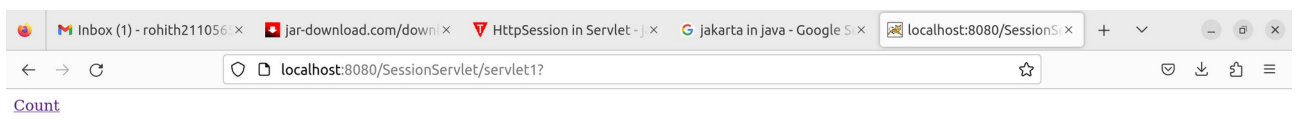
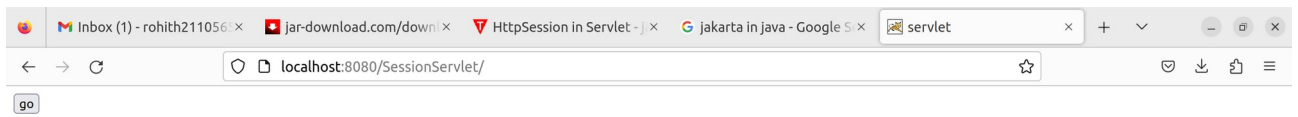
Output:

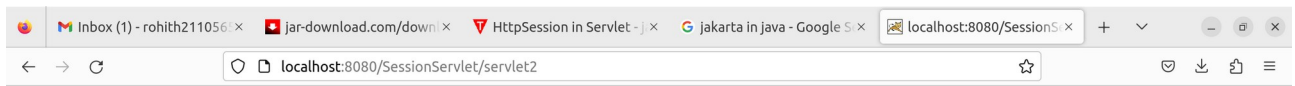






```
rohith@rohith: ~/Desktop/apache-tomcat-9.0.87/webapps/SessionServlet/WEB-INF/classes
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/webapps/SessionServlet/WEB-INF/classes$ javac -classpath "/home/rohith/Desktop/apache-tomcat-9.0.87/lib/t
omcat-servlet-api-9.0.12.jar" SecondServlet.java
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/webapps/SessionServlet/WEB-INF/classes$ javac -classpath "/home/rohith/Desktop/apache-tomcat-9.0.87/lib/t
omcat-servlet-api-9.0.12.jar" FirstServlet.java
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/webapps/SessionServlet/WEB-INF/classes$
```



Number of times the visit link has been clicked: 6

```
rohith@rohith: ~/Desktop/apache-tomcat-9.0.87/bin
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/bin$ ./startup.sh
Using CATALINA_BASE:   /home/rohith/Desktop/apache-tomcat-9.0.87
Using CATALINA_HOME:   /home/rohith/Desktop/apache-tomcat-9.0.87
Using CATALINA_TMPDIR: /home/rohith/Desktop/apache-tomcat-9.0.87/temp
Using JRE_HOME:        /usr
Using CLASSPATH:        /home/rohith/Desktop/apache-tomcat-9.0.87/bin/bootstrap.jar:/home/rohith/Desktop/apache-tomcat-9.0.87/bin/tomcat-juli.jar
Tomcat started.
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/bin$ ./shutdown.sh
Using CATALINA_BASE:   /home/rohith/Desktop/apache-tomcat-9.0.87
Using CATALINA_HOME:   /home/rohith/Desktop/apache-tomcat-9.0.87
Using CATALINA_TMPDIR: /home/rohith/Desktop/apache-tomcat-9.0.87/temp
Using JRE_HOME:        /usr
Using CLASSPATH:        /home/rohith/Desktop/apache-tomcat-9.0.87/bin/bootstrap.jar:/home/rohith/Desktop/apache-tomcat-9.0.87/bin/tomcat-juli.jar
Using CATALINA_OPTS:
NOTE: Picked up JDK_JAVA_OPTIONS:  --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java.base/java.ut
il=ALL-UNNAMED --add-opens=java.base/java.util.concurrent=ALL-UNNAMED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED
rohith@rohith:~/Desktop/apache-tomcat-9.0.87/bin$
```