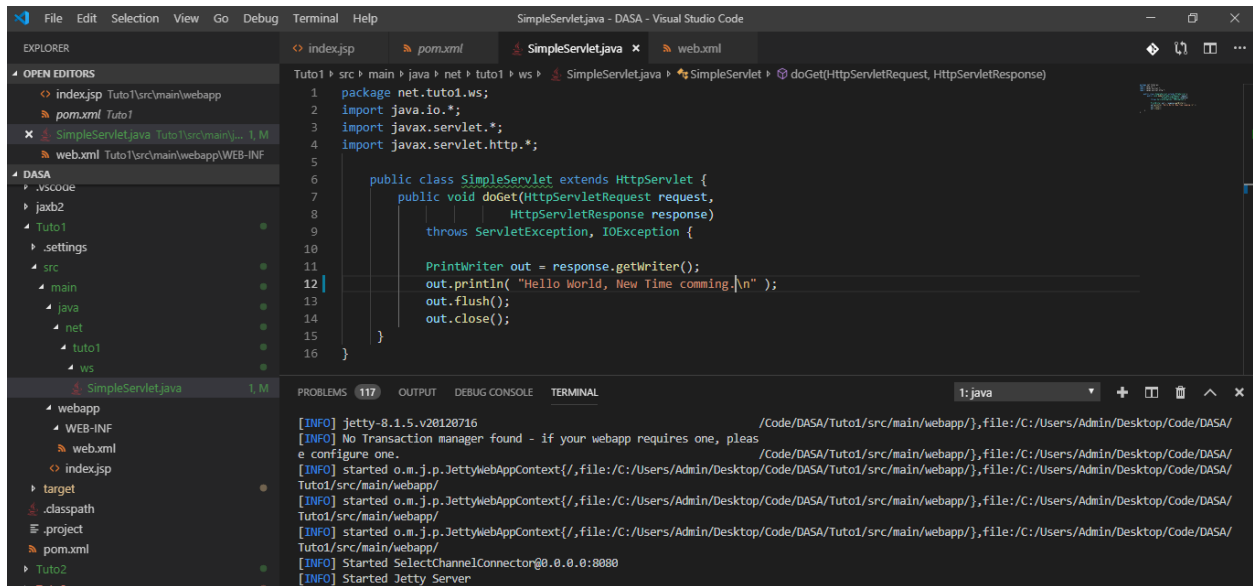


TD 1

Servlet

What Done

Created maven project, implemented pom.xml, SimpleServlet, web.xml

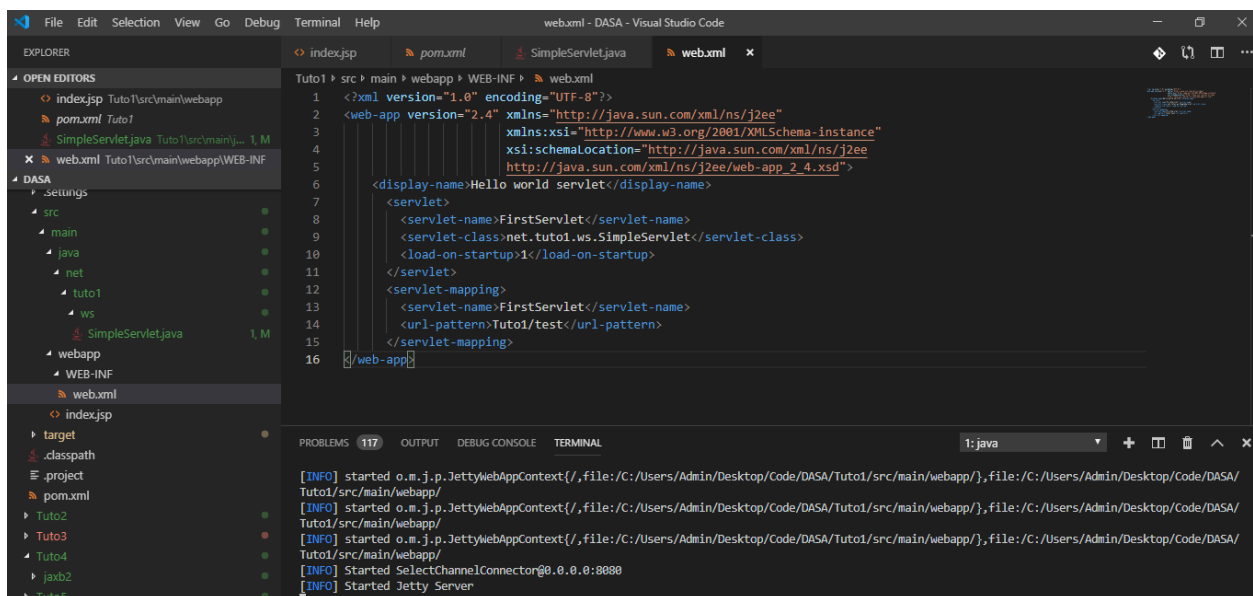


The screenshot shows the Visual Studio Code interface with the SimpleServlet.java file open. The file contains the following code:

```
1 package net.tuto1.ws;
2 import java.io.*;
3 import javax.servlet.*;
4 import javax.servlet.http.*;
5
6 public class SimpleServlet extends HttpServlet {
7     public void doGet(HttpServletRequest request,
8         HttpServletResponse response)
9         throws ServletException, IOException {
10
11         PrintWriter out = response.getWriter();
12         out.println( "Hello World, New Time coming.\n" );
13         out.flush();
14         out.close();
15     }
16 }
```

The terminal output shows the following logs:

```
[INFO] jetty-8.1.5.v20120716 /Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
[INFO] No Transaction manager found - if your weapp requires one, pleas
e configure one. /Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] Started SelectChannelConnector@0.0.0.0:8080
[INFO] Started Jetty Server
```



The screenshot shows the Visual Studio Code interface with the web.xml file open. The file contains the following code:

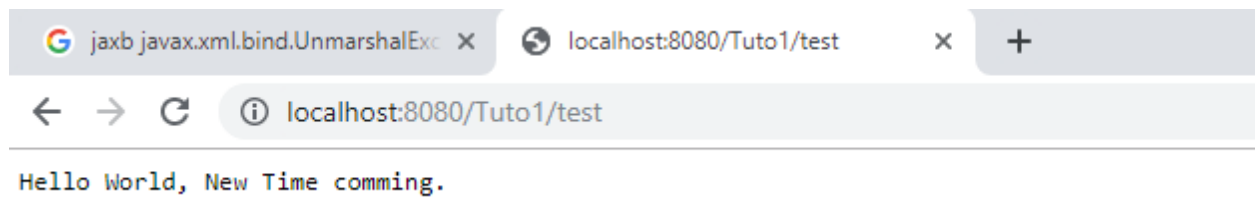
```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app version="2.4" xmlns="http://java.sun.com/xml/ns/j2ee"
3     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
5         http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd">
6
7     <display-name>Hello world servlet</display-name>
8
9     <servlet>
10         <servlet-name>FirstServlet</servlet-name>
11         <servlet-class>net.tuto1.ws.SimpleServlet</servlet-class>
12         <load-on-startup>1</load-on-startup>
13     </servlet>
14
15     <servlet-mapping>
16         <servlet-name>FirstServlet</servlet-name>
17         <url-pattern>/test</url-pattern>
18     </servlet-mapping>
19 </web-app>
```

The terminal output shows the following logs:

```
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] started o.m.j.p.JettyWebAppContext(/,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto1/src/main/webapp/,file:/C:/Users/Admin/Desktop/Code/DASA/
Tuto1/src/main/webapp/
[INFO] Started SelectChannelConnector@0.0.0.0:8080
[INFO] Started Jetty Server
```

Run: mvn jetty:run

Get the result:



What Working

The above steps are working.

What Not Working

How it works

After run jetty, the service listen to port 8080.

When the browser calls exactly the address: localhost:8080/Tuto1/test (which was configured in web.xml), the servlet which was mapped is called, then the browser receives the message.