

Servlet Program installation

1.How to check Servlet JAR file in Your System is Present or not ?

```
ls /usr/share/tomcat/lib/
```

2. Setup Bashrc file

```
vim ~/.bashrc
```

```
if ! [[ "$PATH" =~ "$HOME/.local/bin:$HOME/bin:" ]]  
then  
    PATH="$HOME/.local/bin:$HOME/bin:$PATH"  
fi  
// add this line  
export CLASSPATH=$CLASSPATH:::/usr/share/tomcat/lib/tomcat-servlet-4.0-api.jar  
  
source ~/.bashrc
```

3.Where is Servlet Program is Present

```
/var/lib/tomcat/webapps/webapp/
```

```
└── index.html           ← your HTML file  
└── WEB-INF/  
    └── classes/  
        └── WelcomeServlet.class ← compiled servlet
```

4. Where is html or xml is write

/var/lib/tomcat/webapps/webapp

Open Terminal Here.

Vi index.html

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>HTML to Servlet Example</title>  
</head>  
<body>  
    <h2>Enter Your Name</h2>  
  
<form action="welcome" method="POST">  
    <label for="username">Username:</label>  
    <input type="text" id="username" name="username">
```

```
<br>
<input type="submit" value="Submit">
</form>

</body>
</html>
```

5.Where is Servlet Program is write

/var/lib/tomcat/webapps/webapp/WEB-INF/classes
Open Terminal Here.

Vi WelcomeServlet.java

```
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/welcome")
public class WelcomeServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();
        String userName = request.getParameter("username");

        out.println("<!DOCTYPE html>");
        out.println("<html>");
        out.println("<head><title>Welcome Page</title></head>");
        out.println("<body>");
        out.println("<h2>Hello, " + userName + "</h2>");
        out.println("</body>");
        out.println("</html>");

        out.close();
    }
}
```

```
}
```

```
javac WelcomeServlet.java
```

```
sudo systemctl start tomcat
```

"Note: Start the Tomcat server each time before running a servlet program."

```
sudo systemctl status tomcat
```

```
GOT HERE active (running)
```

6.Output

Go on Browser

<http://localhost:8080/webapp/index.html>

<http://localhost:8080/webapp/welcome>