

Simple Steps to Run First Servlet Program

1. *Install Java in Computer.*
2. *Install Apache Tomcat in Computer (It will automatically take java run time environment during installation).*
3. *Create a directory, for example: myApp at c:/Program Files/Apache Software Foundation/Tomcat 8.5/webapp.*
4. *Now, create subdirectories of myApp named WEB-INF.*
5. *Now, create web.xml here and then create a subdirectory named classes.*
6. *Go to classes.*
7. *Create your java file here i.e. the servlet code.*

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HelloWorld extends HttpServlet {
    public void doGet(HttpServletRequest req, HttpServletResponse res)throws
        ServletException, IOException
    {
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        out.println("<HTML>");
        out.println("<HEAD><TITLE>Hello World</TITLE></HEAD>");
        out.println("<BODY>");
        out.println("<BIG>Hello World</BIG>");
        out.println("</BODY></HTML>");
    }
}
```

8. *Save the file with the class name HelloWorld.java.*
9. *Now, compiling this file, we first need to set new environment variable: CLASSPATH and the value:*
C:\Program Files\Apache Software Foundation\Tomcat 8.5\lib\servlet-api.jar;

(Because javax.servlet.; & javax.servlet.http.*; both the packages are available in servlet-api.jar.)*
10. *After completing these steps we can compile the HelloWorld.java which will give HelloWorld.class file in our classes directory.*
11. *Almost done, now we just need to start Apache Tomcat services and goto Web Browser and enter the url:*
http://localhost:8080/myApp/HelloWorld

This action will produce the output on the Web Browser.