

## EXPERIMENT 3 HelloWorld Servlet Program

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### Aim:

To write and deploy a Java Servlet that displays "**Hello, World!**" when accessed through a web browser using Apache Tomcat.

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### Algorithm:

1. **Start**
  2. Create a new Java class named `HelloWorldServlet` that extends `HttpServlet`.
  3. Override the `doGet()` method to handle GET requests.
  4. Set the response content type to `text/html`.
  5. Use `PrintWriter` to write the response output: "Hello, World!".
  6. Compile the servlet and place the `.class` file inside the `WEB-INF/classes` directory.
  7. Create a `web.xml` file to configure the servlet and map it to a URL pattern.
  8. Deploy the application in the `webapps` folder of Apache Tomcat.
  9. Start the Tomcat server.
  10. Access the servlet using a web browser.
  11. **End**
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### Code:

```
HelloWorldServlet.java  
java
```

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

public class HelloWorldServlet extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<h1>Hello, World!</h1>");
    }
}
```

## Result:

*When the URL <http://localhost:8080/HelloWorldApp/hello> is accessed, the browser displays:*

## Output

**Hello, World!**

```
"); } }
```