

Subject Code : AI23431

WEB TECHNOLOGY AND MOBILE APPLICATION

Artificial Intelligence & Data Science and Artificial Intelligence Machine Learning

LAB EXPERIMENT : 03

3 Write a Servlet program that prints "Hello, World!" when accessed through a browser.

AIM : To Create Servlet program that prints "Hello, World!" when accessed through a browser.

SOURCE CODE :

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

public class HelloWorldServlet extends HttpServlet {
    // The doGet method is called when a GET request is made to the servlet
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // Set the response content type to text
        response.setContentType("text/html");

        // Get the output stream of the response
```

```
PrintWriter out = response.getWriter();
```

```
// Write the "Hello, World!" message  
out.println("<html><body>");  
out.println("<h1>Hello, World!</h1>");  
out.println("</body></html>");  
}  
}
```

Configure the Servlet in web.xml:

```
<?xml version="1.0" encoding="UTF-8"?>  
<web-app xmlns="http://java.sun.com/xml/ns/javaee"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee  
    http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"  
  version="3.0">
```

```
<!-- Servlet Declaration -->
```

```
<servlet>  
  <servlet-name>HelloWorldServlet</servlet-name>  
  <servlet-class>HelloWorldServlet</servlet-class>  
</servlet>
```

```
<!-- Servlet Mapping -->
```

```
<servlet-mapping>  
  <servlet-name>HelloWorldServlet</servlet-name>  
  <url-pattern>/hello</url-pattern>  
</servlet-mapping>
```

</web-app>