

EXP 3 SERVLET PROGRAM

AIM:

To create an HTML webpage that displays "Hello World" in the center of the page inside a styled box using CSS for alignment and styling.

ALGORITHM:

1. Start
2. Create an HTML document with a `<head>` and `<body>` section.
3. Inside the `<head>` section:
 - Set the title of the page. ○ Add meta tags for character set and viewport settings.
 - Define CSS styles to center the text and style the box.
4. In the `<body>` section:
 - Use a `<div>` element with a class `box` to wrap the text.
 - Inside the `<div>`, add an `<h1>` tag with the text "Hello World" in bold.
5. Use CSS Flexbox to center the box both vertically and horizontally.
6. Apply styles to the box, including:
 - Padding ○ Border ○ Border-radius ○ Box-shadow ○ Background color
7. Save the file and open it in a web browser.
8. End.

PROGRAM:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>hello world</title>
```

```
  <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <style>
```

```
body {
```

```
display: flex;
```

```
    justify-content:center;
    align-items:center;
    height: 100vh;
    margin: 0;
    background-color: #f0f0f0;
    }
    .box {
    padding: 20px;
    background-color: white;
    border: 2px solid black;
    border-radius: 10px;
    box-shadow: 5px 5px 15px rgba(0, 0, 0, 0.2);
    text-align: center;
    }
    </style>
    </head>
    <body>
        <div class="box">
            <h1><b>HELLO! THIS IS LAKSHIYA!!!</b></h1>
        </div>
    </body>
</html>
```

Servlet.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;
```

```
// Servlet Annotation Mapping
@WebServlet("/HelloWorldServlet")

public class HelloWorldServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;


    // Handling HTTP GET Requests
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        out.println("<h1>Hello, World!</h1>");
        out.println("</body></html>");
    }
}
```

Web.xml

```
<web-app xmlns="http://java.sun.com/xml/ns/javaee" version="3.0">

    <servlet>

        <servlet-name>HelloWorldServlet</servlet-name>

        <servlet-class>HelloWorldServlet</servlet-class>

    </servlet>

    <servlet-mapping>

        <servlet-name>HelloWorldServlet</servlet-name>

        <url-pattern>/HelloWorldServlet</url-pattern>

    </servlet-mapping>

</web-app>
```

Output:



Hello, World!

RESULT: Thus the servlet program was successfully executed.