SERVLET CALCULATION PROGRAM:

INDEX.HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Simple Calculator</title>
</head>
<body>
   <h1>Simple Calculator</h1>
   <form action="calculate" method="post">
      <input type="number" name="num1" required placeholder="First Number" />
      <input type="number" name="num2" required placeholder="Second Number" />
      <select name="operation">
         <option value="add">Add</option>
         <option value="subtract">Subtract</option>

      </select>
      <input type="submit" value="Calculate" />
   </form>
</body>
</html>
```

SIMPLECALCULATOR.JAVA

```java
import java.io.IOException;
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("/calculate")
public class SimpleCalculator extends HttpServlet {
   private static final long serialVersionUID = 1L;
```

```java
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        String operation = request.getParameter("operation");
        double num1 = Double.parseDouble(request.getParameter("num1"));
        double num2 = Double.parseDouble(request.getParameter("num2"));
        double result = 0;

        switch (operation) {
            case "add":
                result = num1 + num2;
                break;
            case "subtract":
                result = num1 - num2;
                break;
            default:
                response.getWriter().println("Invalid operation!");
                return;
        }

        response.setContentType("text/html");
        response.getWriter().println("<h1>Result: " + result + "</h1>");
    }
}
```

WEB.XML

```xml
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
        http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd"
        version="3.1">
    <servlet>
        <servlet-name>SimpleCalculator</servlet-name>
        <servlet-class>SimpleCalculator</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>SimpleCalculator</servlet-name>
        <url-pattern>/calculate</url-pattern>
```

    </servlet-mapping>
</web-app>

OUTPUT: