

Experiment No: 10

## SOURCE CODE:

### index.html

```
<html>
<head>
<title>Calculator App</title>
</head>
<body>
<form action="CalServlet" method="post" >

Enter First Number <input type="text" name="txtN1" ><br> Enter Second Number <input
type="text" name="txtN2" ><br> Select an Operation

<input type="radio" name="opr" value="+">ADDITION
<input type="radio" name="opr" value="*">MULTIPLY <input type="radio" name="opr"
value="/">DIVIDE
<input type="radio" name="opr" value="-"> Substraction
  <br> <input type="reset">

<input type="submit" value="Calculate" >

</form>
</body>
</html>
```

### CalServlet.java

```
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
```

```

* Servlet implementation class CalServlet
*/

public class CalServlet extends HttpServlet {
private static final long serialVersionUID = 1L;

/**
 * @see HttpServlet#HttpServlet()
 */
public CalServlet() {
    super();
    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    //response.getWriter().append("Served at: ").append(request.getContextPath());
    response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();

        out.println("<html><head><title>Servlet
CalServlet</title></head><body>");
        double n1 =
Double.parseDouble(request.getParameter("txtN1"));

        double n2 = Double.parseDouble(request.getParameter("txtN2"));
        double result =0;
        String opr=request.getParameter("opr");

```

```
if(opr.equals("+")) result=n1+n2;
if(opr.equals("-")) result=n1-n2;
if(opr.equals("*")) result=n1*n2;
if(opr.equals("/")) result=n1/n2;
```

```
out.println("<h1> Result = "+result);
out.println("</body></html>");
```

```
}
```

```
/**
```

```
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
```

```
 */
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
```

```
    // TODO Auto-generated method stub
```

```
    doGet(request, response);
```

```
}
```

```
}
```

## Output:

localhost:8080/Sujata/index.html

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Enter First Number

Enter Second Number

Select an Operation ☐ ADDITION ☒ MULTIPLY ☐ DIVIDE ☐ Subtraction

localhost:8080/Sujata/CalServlet

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**Result = 10.0**