

EXPERIMENT 10: -

Program: -

index.html

```
<html>

<head>

<title>Calulator 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="+">ADDTION
<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 jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;

/**
 * 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: -

Calculator App

localhost:8082/Experiment_...

Enter First Number

Enter Second Number

Select an Operation ☐ ADDTION ☐ MULTIPLY ☐ DIVIDE ☐ Substraction

Calculator App

localhost:8082/Experiment_...

Enter First Number

Enter Second Number

Select an Operation ☐ ADDTION ☒ MULTIPLY ☐ DIVIDE ☐ Substraction

Servlet CalServlet

localhost:8082/Experiment_...

Result = 10.0