

//LOGIN SERVLET

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Login Form</title>
</head>
<body>
    <form method="POST" action="login">
        Enter name: <input type="text" id="uname"><br/>
        Enter password: <input type="password" id="pass"><br/>
        <input type="submit" value="OK">
    </form>
</body>
</html>
```

//login.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;

public class login extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        response.setContentType("text/html");

        PrintWriter out=response.getWriter();
        //int n1=Integer.parseInt(request.getParameter("num1"));
        String name=request.getParameter("uname");
        String password=request.getParameter("pass");

        out.print("<html><body>");
        out.print("<h1>Welcome "+ name + "</h1>");
        out.print("Password is: <font color='blue'>"+ password + "</font>");
        out.print("</body></html>");

    }
}
```

//web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:web="http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID"
version="3.0">
  <display-name>Login Servlet</display-name>
  <welcome-file-list>
    <welcome-file>login.html</welcome-file>
  </welcome-file-list>

  <servlet>
    <servlet-name>login</servlet-name>
    <servlet-class>login</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>login</servlet-name>
    <url-pattern>/login</url-pattern>
  </servlet-mapping>
</web-app>
```

//Addition of 2 numbers

//input.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Arithmetic operations</title>
</head>
<body>
  <form method="GET" action="compute">
    Enter num1:<input type="text" id="num1" name="num1"> <br/>
    Enter num2:<input type="text" id="num2" name="num2"> <br/>
    <input type="submit" value="CALCULATE">
  </form>
</body>
</html>
```

//compute.java

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

```

import java.io.PrintWriter;
import java.lang.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class compute extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        response.setContentType("text/html");

        PrintWriter out=response.getWriter();
        String n1=request.getParameter("num1");
        String n2=request.getParameter("num2");

        //int sum=a+b;
        //out.print("Sum= <font color='red'>" +sum+"</font>");

        out.print("1st Number: "+n1);
        out.print("2nd Number: "+n2);
        //out.print("Sum= "+sum);
    }

}

```

//web.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:web="http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID"
version="3.0">
    <display-name>arithmeticServlet</display-name>
    <welcome-file-list>
        <welcome-file>input.html</welcome-file>
    </welcome-file-list>

    <servlet>
        <servlet-name>compute</servlet-name>
        <servlet-class>compute</servlet-class>

```

</servlet>

<servlet-mapping>

 <servlet-name>compute</servlet-name>

 <url-pattern>/compute</url-pattern>

</servlet-mapping>

</web-app>