

## Practical No. 2

Write a JSP program that accepts two numbers as input from the user and displays their sum on the web page.

**Code:**

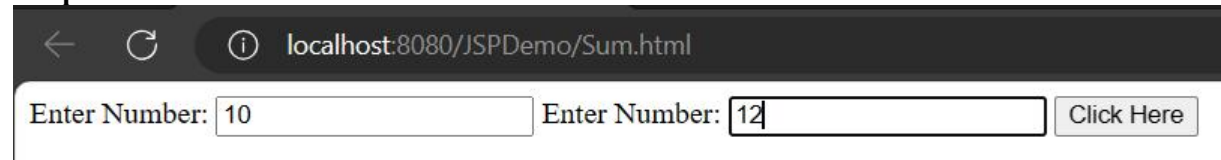
**Sum.html**

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form name="form1" method="post" action="sum.jsp">
Enter Number: <input type="text" name="num1">
Enter Number: <input type="text" name="num2">
<input type="Submit" name="Submit" value="Click Here">
</form>
</body>
</html>
```

**sum.jsp**

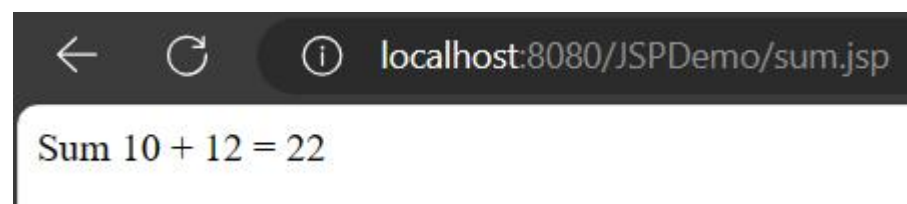
```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
Integer n1 = Integer.parseInt(request.getParameter("num1"));
Integer n2 = Integer.parseInt(request.getParameter("num2"));
Integer sum = n1 + n2;
out.println("Sum "+n1+" + "+n2+" = "+sum);
%>
</body>
</html>
```

**Output:**



localhost:8080/JSPDemo/Sum.html

Enter Number: 10 Enter Number: 12 Click Here



localhost:8080/JSPDemo/sum.jsp

Sum 10 + 12 = 22

**Write an HTML file to send your name to JSP page and JSP page will send you back greeting message.**

**Code:**

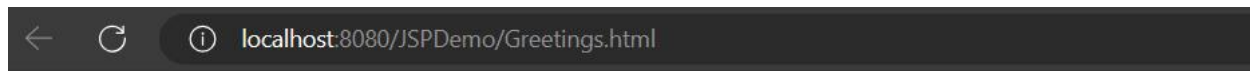
**Greetings.html**

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h2>
<form name="form1" method="post" action="Greetings.jsp">
Enter Name: <input type="text" name="uname">
<input type="Submit" name="Submit" value="Click Here">
</form>
</h2>
</body>
</html>
```

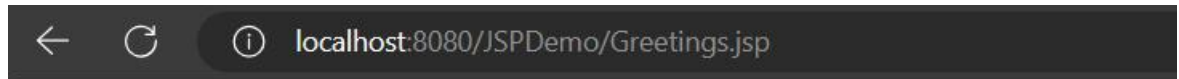
**Greetings.jsp**

```
<%@ page import = "java.util.Calendar"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h2>
<%
Calendar c = Calendar.getInstance();
int h = c.get(Calendar.HOUR_OF_DAY);
String user = request.getParameter("uname");
if(h > 0 && h < 12){
out.println("<b> Good Morning! " + user + "</b>");
}
else if(h > 12 && h < 15){
out.println("<b> Good Afternoon! " + user + "</b>");
}else if(h > 15 && h < 18){
out.println("<b> Good Evening! " + user + "</b>");
}else{
out.println("<b> Good Night! " + user + "</b>");
}
%>
</h2>
</body>
</html>
```

Output:



**Enter Name:**  [Click Here](#)



**Good Afternoon! Nazrana**

**Implement a custom tag that converts a given string to uppercase and displays it on the page.**

**Code:**

**Index.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ taglib uri = "http://java.sun.com/jsp/jstl/core" prefix = "c" %>
<%@ taglib uri = "http://java.sun.com/jsp/jstl/functions" prefix = "fn" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<c:set var = "string1" value = "This is first String."/>
<c:set var = "string2" value = "${fn:toUpperCase(string1)}" />
<p>Final string : ${string2}</p>
</body>
</html>
```

**Output:**

