Dt : 18/11/2024(Day-43)

*imp

=>The following are the implicit Objects generated in JSP:

  1.application - jakarta.servlet.ServletContext

  2.config   - jakarta.servlet.ServletConfig

  3.request   - jakarta.servlet.http.HttpServletRequest

  4.response   - jakarta.servlet.http.HttpServletResponse

  5.out   - jakarta.servlet.jsp.JspWriter

  6.session   - jakarta.servlet.http.HttpSession

  7.exception   - java.lang.Exception

  8.page   - java.lang.Object

  9.pageContext - jakarta.servlet.jsp.PageContext

 --

Ex-2:

(Construct JSP Application to demonstrate <jsp:include>,

<jsp:forward> and <jsp:param>)

Layout:

ProjectName : JSP_App_2

input.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
```

```html
<body>
<form action="Choice.jsp" method="post">
Enter the value-1:<input type="text" name="v1"><br>
Enter the value-2:<input type="text" name="v2"><br>
<input type="submit" value="Add" name="s1">
<input type="submit" value="Sub" name="s1">

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

web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>


<web-app>
    <welcome-file-list>
        <welcome-file>input.html</welcome-file>
    </welcome-file-list>
</web-app>
```

Choice.jsp

```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>
<%
String s1 = request.getParameter("s1");
if(s1.equals("Add")){
%>
<jsp:forward page="Addition.jsp">
    <jsp:param value="<%=100 %>" name="k"/>
</jsp:forward>
<%
}else{
 %>
   <jsp:forward page="Subtraction.jsp">
       <jsp:param value="<%=200 %>" name="z"/>
   </jsp:forward>
 <%
}
%>
```

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

Addition.jsp

```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>
<%
int v1 = Integer.parseInt(request.getParameter("v1"));
int v2 = Integer.parseInt(request.getParameter("v2"));
int k = Integer.parseInt(request.getParameter("k"));
int v3 = v1+v2;
out.println("Sum:"+v3+"<br>");
out.println("Parameter Value:"+k+"<br>");
%>
<jsp:include page="input.html"/>
</body>
</html>
```

Subtraction.jsp

```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>
<%
int v1 = Integer.parseInt(request.getParameter("v1"));
int v2 = Integer.parseInt(request.getParameter("v2"));
int z = Integer.parseInt(request.getParameter("z"));
int v3 = v1-v2;
out.println("Sum:"+v3+"<br>");
out.println("Parameter value:"+z+"<br>");
%>
<jsp:include page="input.html"/>
</body>
</html>
```

==

Assignment:

Update above application to handle exception for NonInteger values.

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