**PRACTICAL 4**

1. **A Develop a simple JSP application to display values obtained from the use of intrinsic object of various types.**

**STEP 1 : CREATE PROJECT >>>> JAVA WEB >>>>WEB APPLICATION >>> FINISHED**

**STEP 2 : CREATE JSP PAGE (DELETE THE INDEX.HTML PAGE)**

**RIGHT CLICK ON WEB PAGES >>NEW >> JSP > NAME>JSP**

**COPY THE BODY OBJECT BELOW AND PASTE BETWEEN <BODY> </BODY>**

**<h1>Use of Intrinsic Object in JSP</h1>**

**<h2>Request Objects</h2>**

**Query String <%=request.getQueryString()%><br>**

**Context Path <%=request.getContextPath()%><br>**

**Remote Host <%=request.getRemoteHost()%><br>**

**<h2>Response Object</h2>**

**Character Encoding Type <%=response.getCharacterEncoding()%><br>**

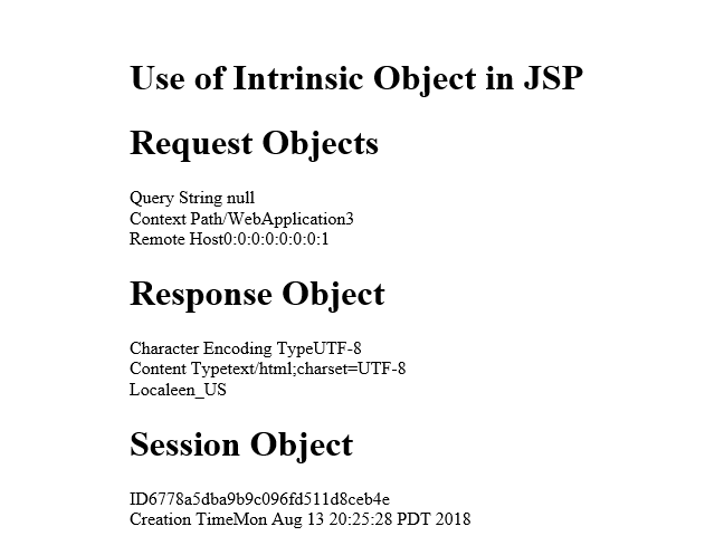
**Content Type <%=response.getContentType()%><br>**

**Local <%=response.getLocale()%><br>**

**<h2>Session Object</h2>**

**Session ID <%=session.getId()%><br>**

**Creation Time <%=new java.util.Date(session.getCreationTime())%><br>**

****

**4A YOUTUBE LINK :** [**https://www.youtube.com/watch?v=i-mrPthyyjU**](https://www.youtube.com/watch?v=i-mrPthyyjU)

**B) Develop a simple JSP application to pass values from one page to another page with validations**

**STEP 1 : CREATE PROJECT >>>> JAVA WEB >>>>WEB APPLICATION >>> FINISHED**

**STEP 2 : GO TO INDEX>HTML ( right click on web page) AND PASTE IN BODY**

**<form action="Validate.jsp">**

**Enter Your Name<input type="text" name="name"><br>**

**Enter your Age<input type="text" name="age"><br>**

**Select Hobbies**

**<input type="checkbox" name="hob" value="Singing">Singing<br>**

**<input type="checkbox" name="hob" value="Reading">Reading<br>**

**Select Gender**

**<input type="radio" name="gender" value="male">Male<br>**

**<input type="radio" name="gender" value="female">Female<br>**

**<input type="hidden" name="error" value=""><br>**

**<input type="submit" value="REGISTER"><br>**

**</form>**

**STEP 3**

**CREATE JSP PAGE**

**RIGHT CLICK ON WEB PAGES >>NEW >> JSP > NAME>** **Validate.jsp**

**PASTE THE BELOW CONTENT IN <BODY>**

**<h1>Validation Page</h1>**

**<jsp:useBean id="obj" scope="request" class="pack.CheckerBean">**

**<jsp:setProperty name="obj" property="\*"/>**

**</jsp:useBean>**

**<% if(obj.validate())**

**{**

**%>**

**<jsp:forward page="successful.jsp"/>**

**<%}**

**else{**

**%>**

**<jsp:include page="index.html"></jsp:include>**

**<%}%>**

**<%=obj.getError()%>**

**STEP 4 CREATE SERVELET >>> NEW SERVELET >> NAME >>>** **CheckerBean.java**

package newpackage;

public class CheckerBean {

**private String name,age,hob,gender,error;**

public CheckerBean()

{

error=""

}

public String getName() { return name ;}

public void setName(String name) { this.name = name; }

public String getAge() { return age; }

public void setAge(String age) { this.age = age; }

public String getHob() {return hob; }

public void setHob(String hob) {this.hob = hob; }

public String getGender() { return gender; }

public void setGender(String gender) {this.gender = gender;}

public String getError() { return error; }

public void setError(String error) { this.error = error; }

**public boolean validate(){**

**boolean res=true;**

**if(name.trim().equals("")){**

**error+= "<br>Enter First Name";res=false;**

**}**

**if(age.length()>2){**

**error+= "<br>Age Invalid";res=false;**

**}**

**return res;**

**}**  }

**Successful.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

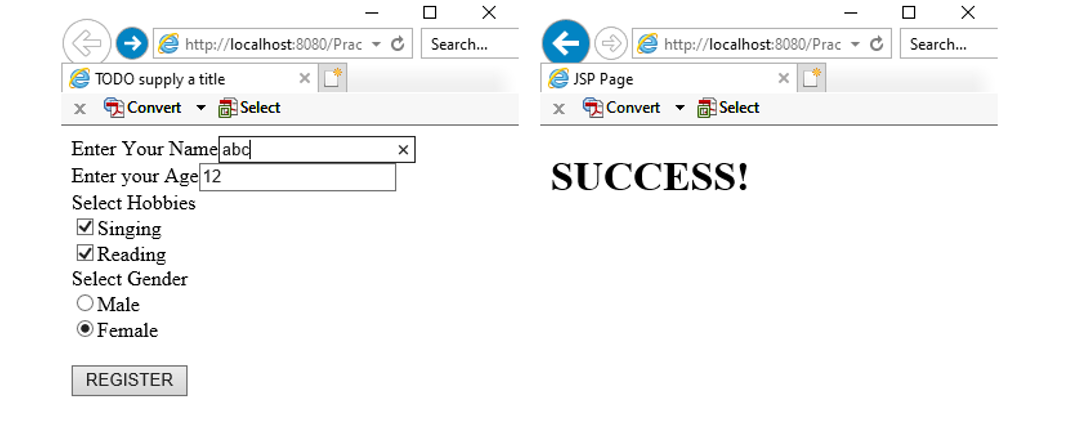
</head>

<body>

<h1>success!</h1>

</body>

</html>

****

**YOUTUBE LINK :** [**https://www.youtube.com/watch?v=810UV6FRmCo&t=557s**](https://www.youtube.com/watch?v=810UV6FRmCo&t=557s)

**C) Create a registration servlet in Java using JDBC. Accept the details such as Username, Password, Email, and Country from the user using HTML Form and store the registration details in the database**

**Video 1 :** [**https://www.youtube.com/watch?v=w5Z8T-04fbU**](https://www.youtube.com/watch?v=w5Z8T-04fbU)

**Video 2 :** [**https://www.youtube.com/watch?v=xXpjR9VQung**](https://www.youtube.com/watch?v=xXpjR9VQung)