

## 2. Write a program to demonstrate the function of JSP Implicit Objects.

### Index.jsp:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JSP Implicit Objects</title>
</head>
<body>
<%

String responseCheck = request.getParameter("office");
if (responseCheck != null ) {
response.setStatus(response.SC_MOVED_TEMPORARILY);
response.setHeader("Location", "response-redirect.jsp?office=" +
responseCheck);
}
String errorCheck = request.getParameter("error");
if (errorCheck != null ) {
int x = 0;
if (x == 0)
throw new RuntimeException("Exception has been raised");
}
%>

int serverPort = request.getServerPort() ;
out.println("The Server is running on port " + String.valueOf(serverPort) +
"<br>");
out.println("Servlet Name is " + config.getServletName() + "<br>");
out.println("Server Info:" + application.getServerInfo() + "<br>");
String pageName = page.toString();
out.println("The name of the page is " + pageName + "<br>");
pageContext.setAttribute("userid", "John Doe");
out.println("userId attribute from pageContext: " +
pageContext.getAttribute("userid") +
"<br>");
%>
<a href="index.jsp?office=head_office">Show usage of response
object</a><br>
<a href="index.jsp?error=1">Show usage of error object</a><br>
<%
if (response.containsHeader("Office"))
out.println("Current location is " + response.getHeader("Office"));
%>
</body>
</html>
```

## **response-redirect.jsp:**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Get Header Example</title>
</head>
<body>
<%
String office = request.getParameter("office");
if (office != null)
out.println("value of Office obtained : " + office + "<br>");
else
out.println("No value of Office found<br>");
%>
</body>
</html>
```

## **Handle-error.jsp :**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Error Handling page</title>
</head>
<body>
<br>
An exception was generated. Details are above:<br>
</body>
</html>
```