**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"*%>

<%@ page errorPage = *"handle-error.jsp"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</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>

**handle-error.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"* pageEncoding=*"ISO-8859-1"* isErrorPage=*"true"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<% exception.printStackTrace(response.getWriter()); %>

<hr>

An exception was generated. Details are above:<br>

</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=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<%

String office = request.getParameter("office");

if (office != null)

out.println("value of Office obtained :" + office + "<br>");

else

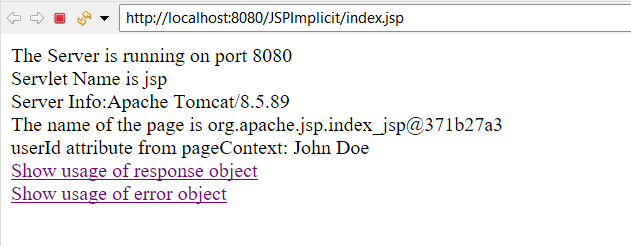
out.println("No value of Office found<br>");

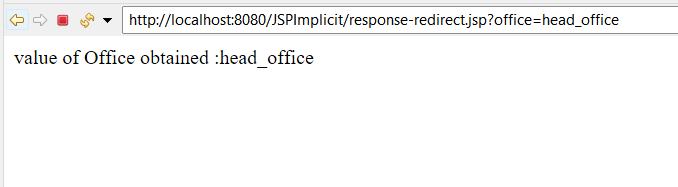
%>

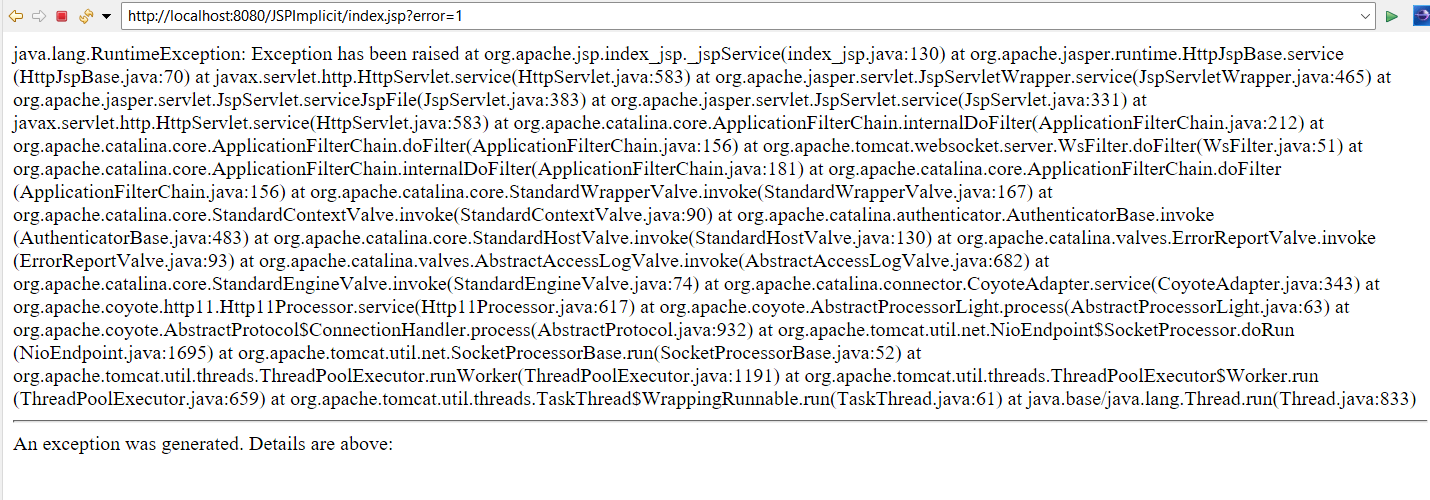
</body>

</html>

**OUTPUT**

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