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**>

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**>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=UTF-8"* pageEncoding=*"UTF-8"* isErrorPage = *"true"*%>

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"UTF-8"*>

<**title**>Error Handling page</**title**>

</**head**>

<**body**>

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

<**hr**>

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

</**body**>

</**html**>