**Phase 2:Practice Project:Assissted Practice: 4**

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

**Source Code:**

**Ass2index.jsp:**

<%@page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@page errorPage=*"ass2handle-error.jsp"*%>

<!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", "ass2Response-redirect.jsp?office=" + responseCheck);

}

String errorCheck = request.getParameter("error");

**if** (errorCheck != **null** ) {

**int** y=11,x = 0;

**int** z=y/x;

}

%>

<%

**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=*"Ass2Response-redirect.jsp?office=head\_office"*>Show usage of response object</a><br>

<%

**if** (response.containsHeader("Office"))

out.println("Current location is " + response.getHeader("Office"));

%>

</body>

</html>

**Ass2Handle-error.jsp:**

<%@page language=*"java"* contentType=*"text/html; charset=UTF-8"*

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

<!DOCTYPEhtml>

<html>

<head>

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

<title>Error Handling page</title>

</head>

<body>

<%= exception %>

<hr>

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

</body>

</html>

**Ass2Response-redirect:**

<%@page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!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**

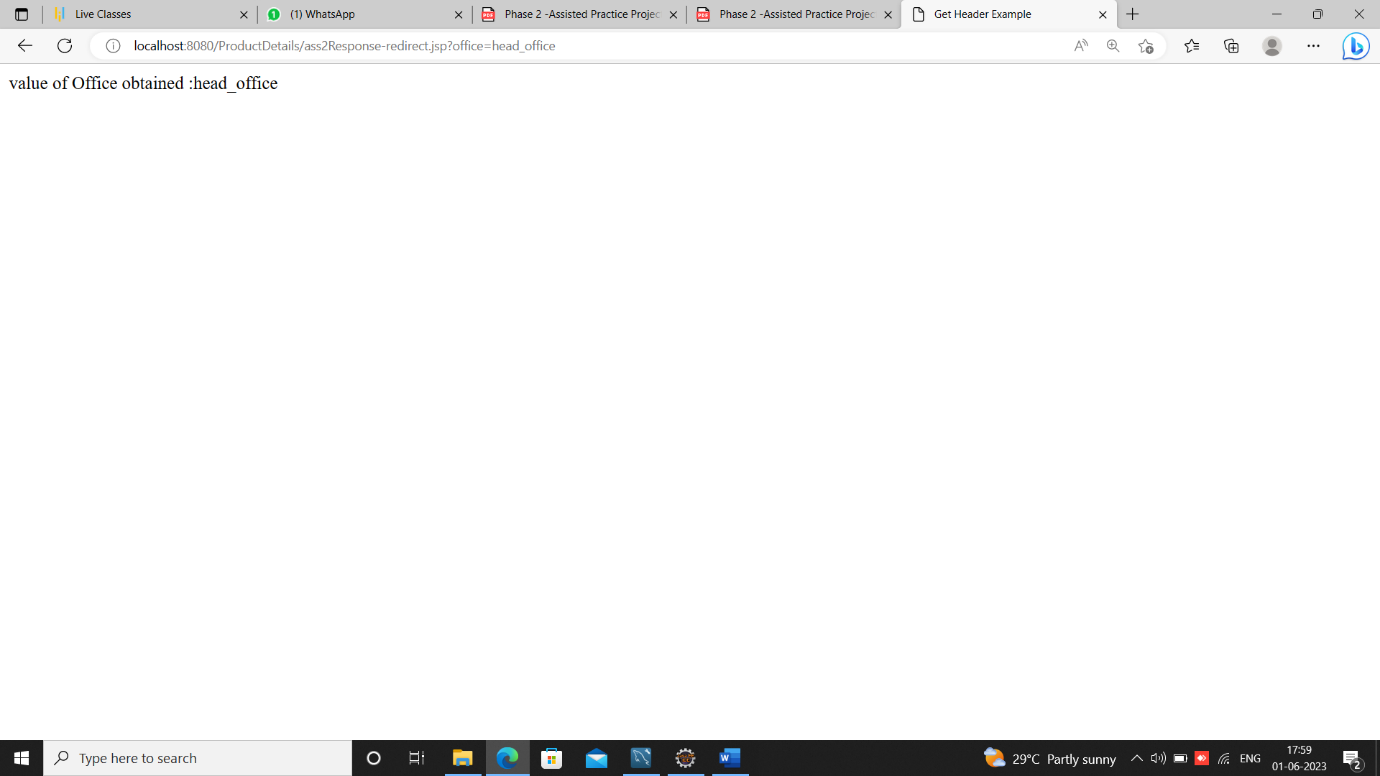
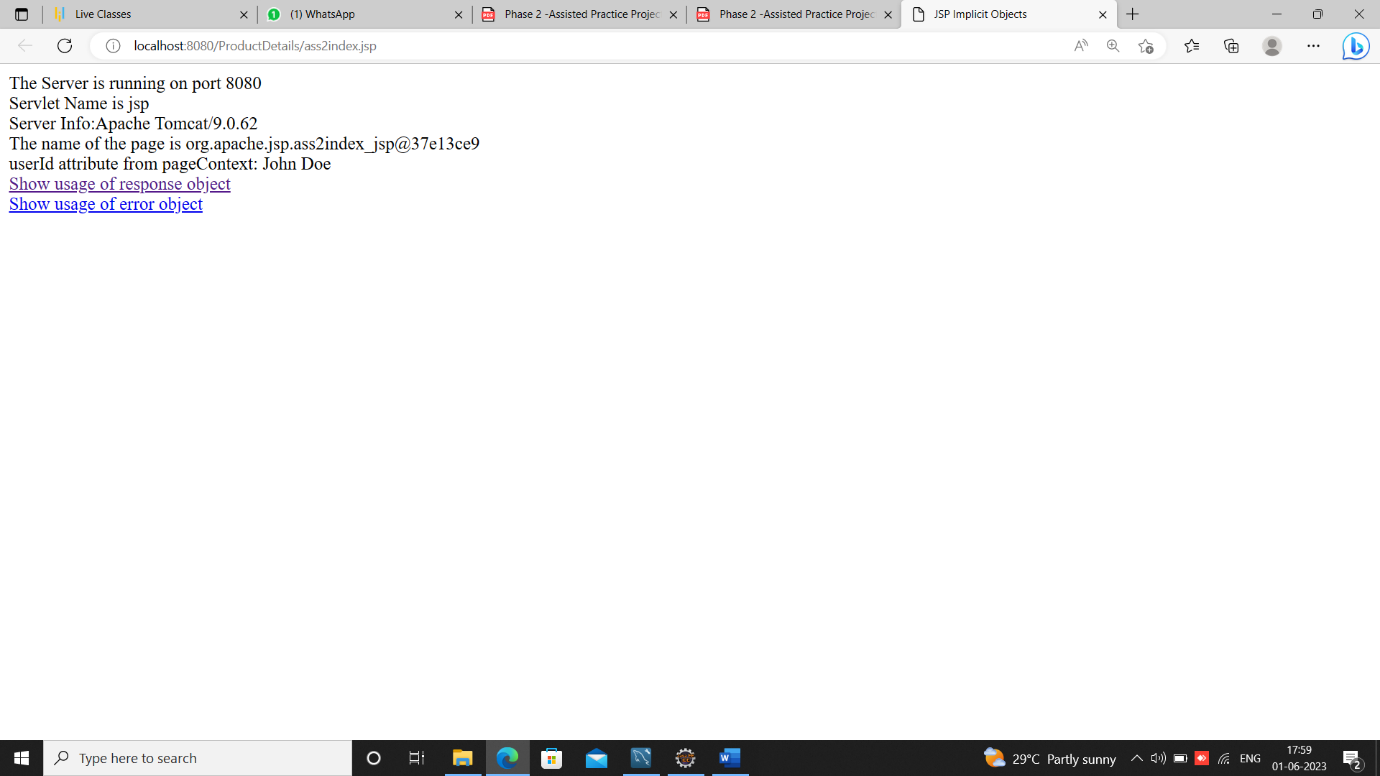
out.println("No value of Office found<br>");

%>

</body>

</html>

**Output:**

****