

Servlet Programs from 13 to 16

13. Write a Java servlet program to demonstrate customized send redirect ()

index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="servlet1">
<input type="text" name="name">
<input type="submit" value="Google Search">
</form>
</body>
</html>
```

servlet1.java

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/servlet1")
public class servlet1 extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public servlet1() {
        super();
    }

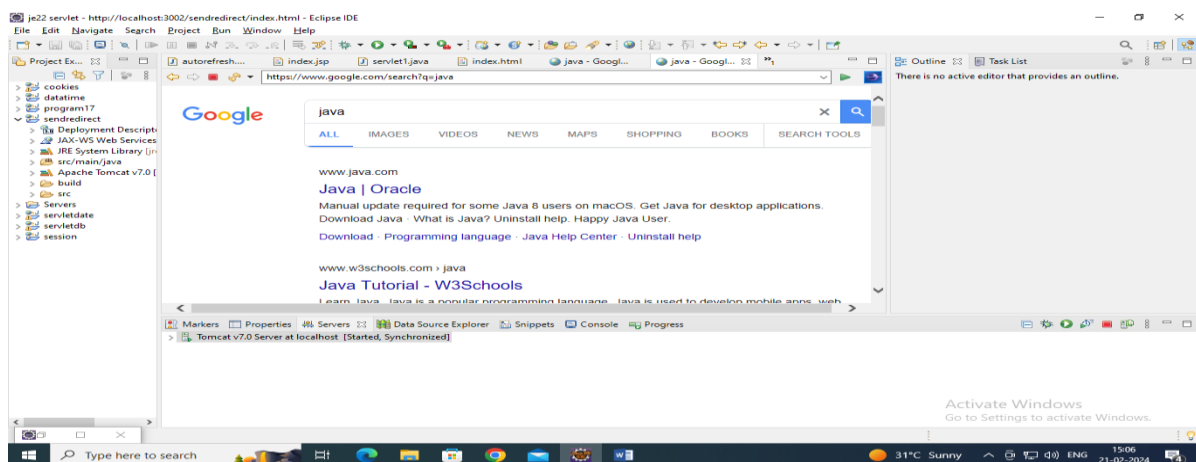
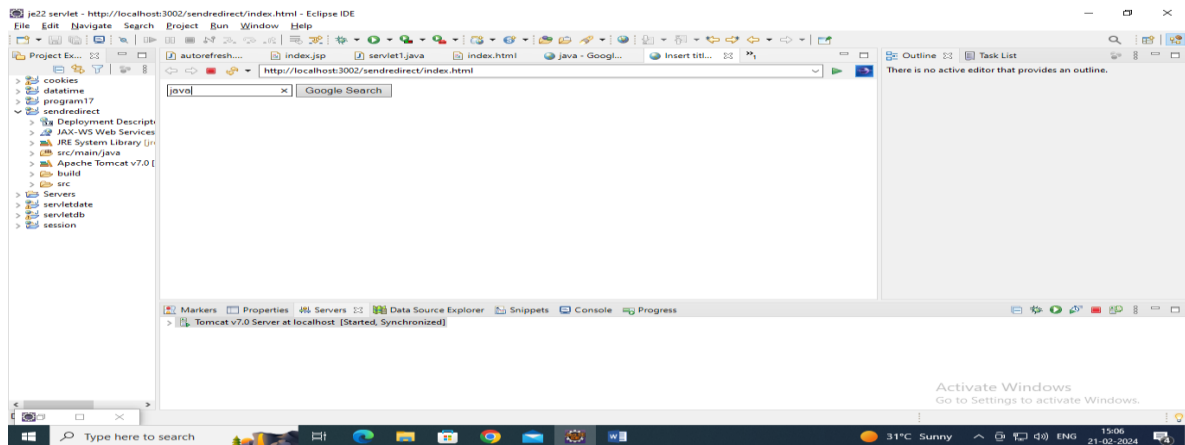
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

        String name=request.getParameter("name");
        response.sendRedirect("https://www.google.com/search?q="+name);
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        doGet(request, response);
    }

}
```

Output:



14. Write a Java servlet program to demonstrate form processing (Login Form).

index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="servlet1" method="post">
Username: <input type="text" name="username"/>
<br/>
<br/>
Password:<input type="password" name="password"/>
<br/>
<br/>
<input type="submit" value="Click Here"/>
</form>
</body>
</html>
```

Servlet1.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

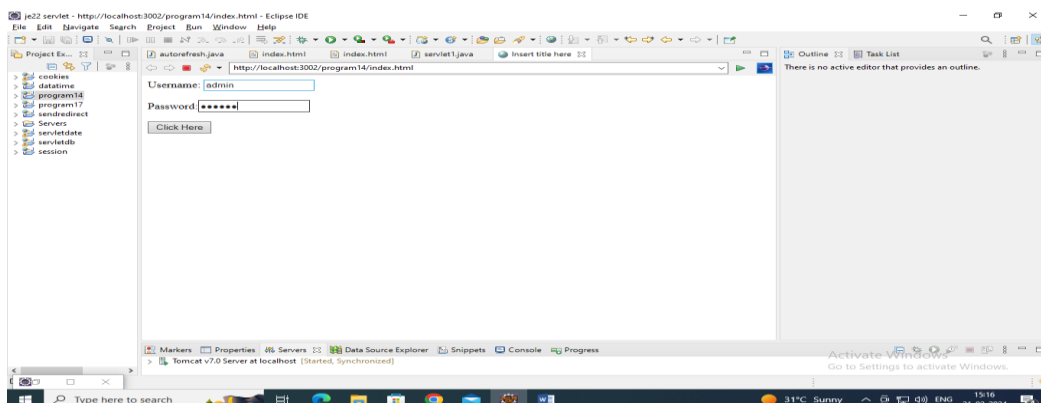
@WebServlet("/servlet1")
public class servlet1 extends HttpServlet {
    private static final long serialVersionUID = 1L;

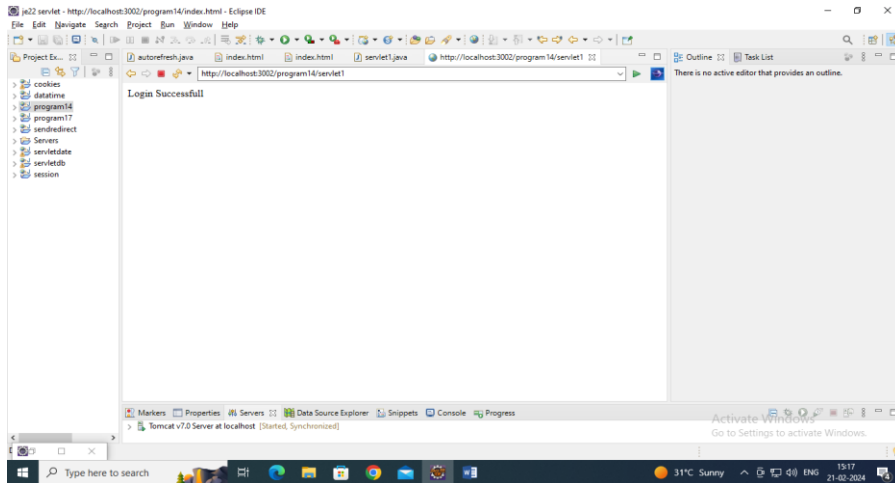
    public servlet1() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        PrintWriter pw=response.getWriter();
        response.setContentType("text/html");
        String user=request.getParameter("username");
        String pass=request.getParameter("password");
        if(user.equals("admin")&&pass.equals("rlsbca"))
            pw.println("Login Successfull");
        else
            pw.println("Login Failed");
        pw.close();
    }
}
```

Output:





15. Write a Java servlet program to demonstrate auto refresh of a web page

autorefresh.java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Calendar;
import java.util.GregorianCalendar;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/autorefresh")
public class autorefresh extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public autorefresh() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setIntHeader("Refresh", 5);
        response.setContentType("text/html");
        Calendar calendar=new GregorianCalendar();
        String am_pm;
        int hour=calendar.get(Calendar.HOUR);
        int minute=calendar.get(Calendar.MINUTE);
        int second=calendar.get(Calendar.SECOND);
        if(calendar.get(Calendar.AM_PM)==0)
        {
            am_pm="AM";
        }
        else
```

```

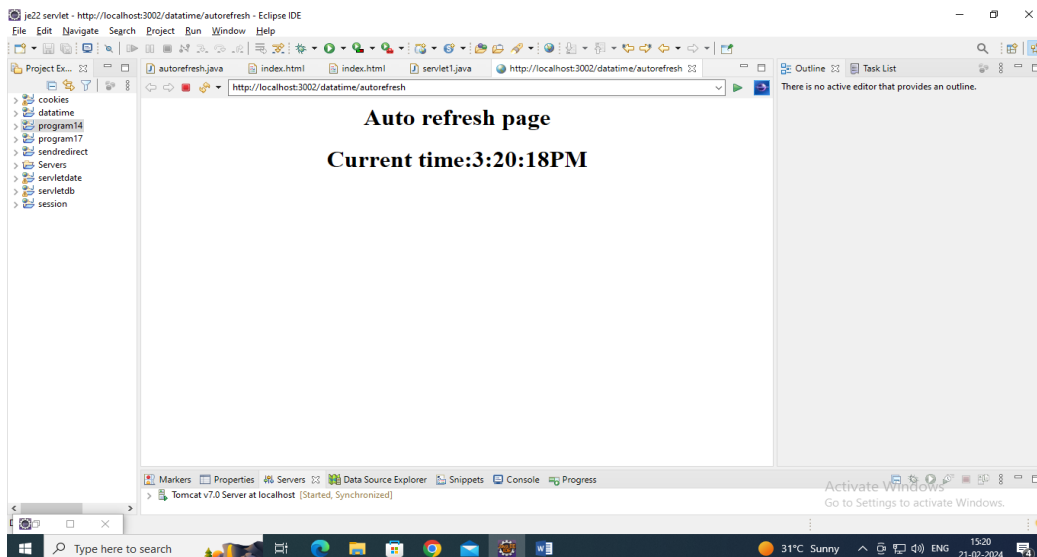
        {
            am_pm="PM";
        }
        String CT=hour+":"+minute+":"+second+""+am_pm;
        PrintWriter pw=response.getWriter();
        pw.println("<h1 align='center'> Auto refresh page </h1>");
        pw.println("<h1 align='center'> Current time:"+CT+"</h1>");
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    }

}

```

Output:



16. Write a java servlet program to demonstrate session using HttpSession

index.html

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="servlet1" method="post">
<input type="text" name="username"/>
<input type="submit" value="click"/>

```

```
</form>
</body>
</html>
```

servlet1.java

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import java.io.*;

@WebServlet("/servlet1")
public class servlet1 extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public servlet1() {
        super();
        // TODO Auto-generated constructor stub
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter pw=response.getWriter();
        String n=request.getParameter("username");
        pw.print("Welcome "+n);
        HttpSession session=request.getSession();
        session.setAttribute("uname", n);
        pw.print("<a href='servlet2'> visit </a>");
    }
}
```

```
    }  
}
```

servlet2.java

```
import java.io.IOException;  
import java.io.PrintWriter;  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
import javax.servlet.http.HttpSession;  
  
@WebServlet("/servlet2")  
public class servlet2 extends HttpServlet {  
    private static final long serialVersionUID = 1L;  
    public servlet2() {  
        super();  
        // TODO Auto-generated constructor stub  
    }  
  
    protected void doGet(HttpServletRequest request, HttpServletResponse response)  
throws ServletException, IOException {  
        response.setContentType("text/html");  
        PrintWriter pw=response.getWriter();  
        HttpSession session=request.getSession(false);  
        String n=(String)session.getAttribute("uname");  
        pw.print("Hello "+n);  
    }  
  
    protected void doPost(HttpServletRequest request, HttpServletResponse response)  
throws ServletException, IOException {  
    }  
}
```

Output:

