

**EX No: 07****SERVLETS****Date:****Aim:**

To invoke java servlets using html forms.

**Algorithm:**

Step 1: Start.

Step 2 : In a new HTML File, enter the program.

Step 3 : invoke java servlets using html forms.

Step 4 : On execution, the details are opened in new tabs.

Step 5 : Stop.

**Program:**

1. WRITE A SERVLET PROGRAM TO FIND THE GROSS SALARY OF AN EMPLOYEE

```
import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
public class NewServlet extends HttpServlet {
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        String name = request.getParameter("name");
        String empid = request.getParameter("empid");
        double basicPay = Double.parseDouble(request.getParameter("basicPay"));
        double hra = Double.parseDouble(request.getParameter("hra"));
        double da = 0.5 * basicPay;
        double grossPay = basicPay + hra + da;
```

```
response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<html>");

out.println("<head><title>Employee Salary Result</title></head>");

out.println("<body>");

out.println("<h1>Employee Salary Result</h1>");

out.println("<p>Name: " + name + "</p>");

out.println("<p>Employee ID: " + empid + "</p>");

out.println("<p>Basic Pay: " + basicPay + "</p>");

out.println("<p>HRA: " + hra + "</p>");

out.println("<p>DA: " + da + "</p>");

out.println("<p>Gross Pay: " + grossPay + "</p>");

out.println("</body></html>");

}

}
```

## Output:

### Employee Salary Calculator

Name:

Employee ID:

Basic Pay:

HRA:

## Employee Salary Result

Name: ronith

Employee ID: 14133

Basic Pay: 34213.0

HRA: 2334.0

DA: 17106.5

Gross Pay: 53653.5

### 2. WRITE A SERVLET PROGRAM TO CREATE A LOGIN PAGE:

```
<html>

  <head><title>login form</title></head>

  <body>

<form action="NewServlet" method="post">
  UserName:<input type="text" name="username"/><br/><br/>
  Password:<input type="password" name="userpass"/><br/><br/>
  <input type="submit" value="login"/>
</form>

  </body>
</html>
```

SERVLET code

```
import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
```

```

public class NewServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

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

        String password = request.getParameter("userpass");

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        if (username != null && username.equalsIgnoreCase("Vasanth") && password != null &&
password.equalsIgnoreCase("1234")) {

            out.print("logged in successfully");

        }

        else{

            out.print("login incorrect");

            out.print("<html><head><title>login form</title></head>");

            out.print("<body>");

            out.print("<form action=\"NewServlet\" method=\"post\">");

            out.print("UserName:<input type=\"text\" name=\"username\"/><br/><br/> ");

            out.print("Password:<input type=\"password\" name=\"userpass\"/><br/><br/>");

            out.print("<input type=\"submit\" value=\"login\"/> ");

            out.print("</form>");

            out.print("</body>");

            out.print("</html>");

        }


    }

}

```

## OUTPUT:

UserName:


Password:  

login incorrect

UserName:

Password:

UserName:

Password:  

logged in successfully

**Result:**

Thus the java servlet has been invoked using html forms