

Aim:

To Write a JSP program that connects to the database using JDBC.

Program:

```
<%@page import="java.sql.*"%>
<%@page import="java.sql.DriverManager"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Employee</title>
  </head>
  <body>
    <%
      Connection c;
      Statement st;
      ResultSet rs;
      int count=0;
      double average=0;
      int max=0;
    %>
    <%
      c=DriverManager.getConnection("jdbc:derby://localhost:1527/semester");

      st=c.createStatement();
      rs=st.executeQuery("SELECT COUNT(employee_id) FROM employees");
      if(rs.next()){
        count=rs.getInt(1);
      }
      rs=st.executeQuery("SELECT AVG(salary) FROM employees");
      if(rs.next()){
        average=rs.getDouble(1);
      }
      rs=st.executeQuery("SELECT MAX(salary) FROM employees");
      if(rs.next()){
        max=rs.getInt(1);
      }
    %>
    <table border="2px"><tr><th>Total no.of employees</th><th>Average
salary</th><th>Highest salary</th></tr>
      <tr><td><%= count%></td><td><%=average%></td><td><%= max%></td></tr></table>
    </body>
  </html>
```

Output:

Total no.of employees	Average salary	Highest salary
5	33200.0	69000

Observation(20)	
Record(5)	
Total(25)	
Initial	

Result:

Thus,the program to implement JSP program that connects to the database using JDBC. is written,executed and the output isverified.