1. Write a Servlet application for fetching the entire data from the database and showing it as a
tablein response webpage.
Use the following query in MySQL for creating a table which contains employee details.

```java
create table employee(empid varchar(10), empname
varchar(20), age integer, salary integer);
package advex;

public class EmployeeServlet {
    import java.io.*;
    import java.sql.*;
    import java.util.*;
    import javax.servlet.*;
    import javax.servlet.http.*;

    public class EmployeeServlet extends HttpServlet {

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


            response.setContentType("text/html");

            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            // Establish a connection to the MySQL database
            String url =
"jdbc:mysql://localhost:3306/your_database_name";
            String user = "root";
            String password = "pass123";
            try {
                Class.forName("com.mysql.cj.jdbc.Driver");
```

```java
            Connection con =
DriverManager.getConnection(url, root, pass123);


            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("SELECT *
FROM employee");


            List<String[]> data = new ArrayList<>();
            while (rs.next()) {
                String empid = rs.getString("empid");
                String empname =
rs.getString("empname");
                int age = rs.getInt("age");
                int salary = rs.getInt("salary");
                String[] row = {empid, empname,
Integer.toString(age), Integer.toString(salary)};
                data.add(row);
            }


            out.println("<table border='1'>");
            out.println("<tr><th>Emp ID</th><th>Emp
Name</th><th>Age</th><th>Salary</th></tr>");
            for (String[] row : data) {
                out.println("<tr>");
                for (String cell : row) {
                    out.println("<td>" + cell +
"</td>");
                }
                out.println("</tr>");
            }
            out.println("</table>");

            con.close();

        } catch (Exception e) {
            out.println("Error: " + e.getMessage());
```

```java
            }

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

}



import java.io.IOException;
import java.util.List;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class EmployeeServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    private EmployeeDAO employeeDAO;

    public void init() {
        employeeDAO = new EmployeeDAO();
    }

    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        List<Employee> employees =
employeeDAO.getAllEmployees();
        request.setAttribute("employees", employees);

request.getRequestDispatcher("employee.jsp").forward(request
, response);
    }
}
```

```java
package com.jdbc.demo.pojo;

public int getId() { return id;
}
public void setId(int id) { this.id = id;
}
public String getEname() { return ename;
}
public void setEname(String ename) { this.ename = ename;
}
public int getAge() { return age;
}
public void setAge(int age) { this.age = age;
}
public int getSalary() { return salary;
}
public void setSalary(int salary) { this.salary = salary;
}
@Override
public String toString() { return "Employee [id=" + id + ",
ename=" + ename + ",
age=" + age + ", salary=" + salary + "]";
}
}
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd">
<display-name>EmployeeTableServlet</display-name>
<servlet>
<servlet-name>EmployeeTableServlet</servlet-name>
<servlet-class>com.example.EmployeeTableServlet</servlet-class>
</servlet>
```

```xml
<servlet-mapping>
<servlet-name>EmployeeTableServlet</servlet-name>
<url-pattern>/employeeTable</url-pattern>
</servlet-mapping>
</web-app>
```