1. **Write a Servlet application for fetching the entire data from the database and showing it as a**

**Table in response webpage.**

**Use the following query in MySQL for creating a table which contains employee details.**

**create table employee(empid varchar(10), empname varchar(20), age integer, salary integer);**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**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;

@Override

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String dbUrl = "jdbc:mysql://localhost:3306/labdata";

String dbUsername = "root";

String dbPassword = "Chaitu";

**try** {

Connection conn = DriverManager.*getConnection*(dbUrl, dbUsername, dbPassword);

PreparedStatement stmt = conn.prepareStatement("SELECT \* FROM employee");

ResultSet rs = stmt.executeQuery();

out.println("<table>");

out.println("<tr><th>Employee ID</th><th>Name</th><th>Age</th><th>Salary</th></tr>");

**while** (rs.next()) {

out.println("<tr>");

out.println("<td>" + rs.getString("empid") + "</td>");

out.println("<td>" + rs.getString("empname") + "</td>");

out.println("<td>" + rs.getInt("age") + "</td>");

out.println("<td>" + rs.getInt("salary") + "</td>");

out.println("</tr>");

}

out.println("</table>");

rs.close();

stmt.close();

conn.close();

} **catch** (SQLException e) {

e.printStackTrace();

out.println("An error occurred while fetching the data from the database.");

}

}

}

**package** com.jdbcdemo;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** Labdata {

**public** **static** **void** main(String[] args) {

EmployeeServlet daoImp=**new** EmployeeServlet();

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enter the Id to update");

**int** id=sc.nextInt();

System.***out***.println("Enter the name to update");

String name=sc.next();

System.***out***.println("Enter the age to update");

**int** age=sc.nextInt();

System.***out***.println("Enter the salary to update");

**int** salary=sc.nextInt();

Employee emp=**new** Employee();

emp.setEname(name);

emp.setAge(age);

emp.setSalary(salary);

emp.setId(id);

**if**(daoImp.updateEmployee(emp)) {

System.***out***.println("Updated the row ");

}

**else** {

System.***out***.println("Not Updated");

}

}

<!DOCTYPE web-app PUBLIC

"-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"

"http://java.sun.com/dtd/web-app\_2\_3.dtd" >

<web-app>

<servlet>

<servlet-name>EmployeeServlet</servlet-name>

<servlet-class>com.example.EmployeeServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>EmployeeServlet</servlet-name>

<url-pattern>/employees</url-pattern>

</servlet-mapping>

</web-app>

