**Practical no: 08**

**program:**

**package** switchprogram;

**import** java.sql.\*;

**import** java.util.Scanner;

**public** **class** switchcase {

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

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

Connection con = **null**;

Statement stmt = **null**;

ResultSet rs = **null**;

**try** {

Class.*forName*("com.mysql.cj.jdbc.Driver");

con = DriverManager.*getConnection*(

"jdbc:mysql://localhost:3306/inventory", "root", "root");

stmt = con.createStatement();

System.***out***.println("1. View All Employees");

System.***out***.println("2. Exit");

System.***out***.print("Enter choice: ");

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

**switch** (choice) {

**case** 1:

rs = stmt.executeQuery("SELECT \* FROM employee4");

System.***out***.println("Employee Details:");

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

**int** eid = rs.getInt("eid");

String ename = rs.getString("ename");

**float** salary = rs.getFloat("salary");

System.***out***.printf("ID: %d | Name: %s | Salary: %.2f\n"eid,

ename != **null** ? ename : "NULL", salary);

}

**break**;

**case** 2:

System.***out***.println("Exiting...");

**break**;

**default**:

System.***out***.println("Invalid choice.");

}

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

**try** {

**if** (rs != **null**) rs.close();

**if** (stmt != **null**) stmt.close();

**if** (con != **null**) con.close();

} **catch** (Exception ex) {

ex.printStackTrace();

}

sc.close();

}

}

}

**Database Creation:**

create database demo;

Query OK, 1 row affected (0.134 sec)

mysql> create table employee4(eid int,ename varchar(20),salary float);

Query OK, 0 rows affected (0.769 sec)

mysql> insert into employee4 values(1,'Pratiksha',50000);

Query OK, 1 row affected (0.044 sec)

mysql> insert into employee4 values(2,'Kadamabri',60000);

Query OK, 1 row affected (0.134 sec)

mysql> insert into employee4 values(3,'Laxmi',50000);

Query OK, 1 row affected (0.030 sec)

mysql> desc employee;

+------------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------------+------+-----+---------+-------+

| emp\_id | int | NO | PRI | NULL | |

| emp\_name | varchar(50) | YES | | NULL | |

| department | varchar(50) | YES | | NULL | |

| salary | decimal(10,2) | YES | | NULL | |

+------------+---------------+------+-----+---------+-------+

4 rows in set (0.019 sec)

mysql> select \* from employee4;

+------+-----------+--------+

| eid | ename | salary |

+------+-----------+--------+

| 1 | Pratiksha | 50000 |

| 2 | Kadamabri | 60000 |

| 3 | Laxmi | 50000 |

+------+-----------+--------+

**output:**

1. View All Employees

2. Exit

Enter choice: 1

Employee Details:

ID: 1 | Name: Pratiksha | Salary: 50000.00

ID: 2 | Name: Kadamabri | Salary: 60000.00

ID: 3 | Name: Laxmi | Salary: 50000.00