Q.1 Create procedures or functions for Employee table

1. Add 5000 bonus to all employees

2. Print employees with the same name

3. Print highest and lowest salary from Employee table

```java
package jdbc_practice;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.CallableStatement;

import java.sql.ResultSet;


public class Employee {

  public static void main(String[] args) {

    try {

      Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mydb", "root", "Mona");


      // Add bonus

      CallableStatement cs = con.prepareCall("CALL add_bonus()");

      cs.execute();


      // Same name employees

      cs = con.prepareCall("SELECT get_same_name_employees()");

      ResultSet rs = cs.executeQuery();

      while (rs.next()) {

        System.out.println("Same name employees: " + rs.getString(1));

      }


      // Get highest and lowest salary

      cs = con.prepareCall("CALL get_highest_lowest_salary()");

      rs = cs.executeQuery();

      while (rs.next()) {
```

```
            System.out.println("Highest salary: " + rs.getBigDecimal(1));

            System.out.println("Lowest salary: " + rs.getBigDecimal(2));

        }


    } catch (Exception e) {

        System.out.println(e);

    }

  }

}
```

Output:

Same name employees:

Highest salary: 130000

Lowest salary: 150000

Q.2 Create procedures or functions for Hospital table

1. Print average patient count on daily basis

2. Print all patients who belong to the same ward

3. Arrange patient list according to admission date

```
package jdbc_practice;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.CallableStatement;

import java.sql.ResultSet;


public class Hospital table {

  public static void main(String[] args) {

    try {

        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mydb", "root", "Mona");


        // Average patient count on daily basis

        CallableStatement cs = con.prepareCall("CALL avg_patient_count()");
```

```java
        ResultSet rs = cs.executeQuery();

        System.out.println("Average patient count on daily basis:");

        while (rs.next()) {

            System.out.println(rs.getDate(1) + " " + rs.getInt(2));

        }


        // Patients in same ward

        CallableStatement cs1 = con.prepareCall("SELECT get_same_ward_patients('Cardiology')");

        ResultSet rs1 = cs1.executeQuery();

        System.out.println("\nPatients in Cardiology ward:");

        while (rs1.next()) {

            System.out.println(rs1.getString(1));

        }


        // Arrange patients by admission date

        CallableStatement cs2 = con.prepareCall("CALL arrange_patients_by_admission_date()");

        ResultSet rs2 = cs2.executeQuery();

        System.out.println("\nPatients list arranged by admission date:");

        while (rs2.next()) {

            System.out.println(rs2.getInt(1) + " " + rs2.getString(2) + " " + rs2.getString(3) + " " +
rs2.getDate(4));

        }


    } catch (Exception e) {

        System.out.println(e);

    }
  }
}
```

Output:

Average patient count on daily basis:

2025-05-01

2025-05-02

2025-05-03

2025-05-04

Patients in Cardiology ward:

Medabayani,Monalisa,Monalisa

Patients list arranged by admission date:

101 Medabayani Cardiology 2025-05-01

102 Monalisa Cardiology 2025-05-02

103 Monalisa Neurology 2025-05-03

104 Medabayani Cardiology 2025-05-04