Create procedure or functions for employee table

1. Add 5000 bonus to all employee

```
import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;

public class Addbonus {
	public static void main(String[] args) throws SQLException {
	String url="jdbc:mysql://localhost:3306/mydb";
	String user="root";
	String password="password";

try {
	Class.forName("com.mysql.cj.jdbc.Driver");
	Connection con=DriverManager.getConnection(url,user,password);
	CallableStatement cs=c.prepareCall("{call forBonus()}");
	ResultSet rs=cs.executeQuery();
	System.out.println("Empid\tName\tSalary");
	while(rs.next()) {
			int id=rs.getInt("eid");
			String name=rs.getString("ename");
			int salary=rs.getInt("sal");
			System.out.println(id+"\t"+name+"\t"+salaryl);
	}
		rs.close();
		cs.close();
}
catch(Exception e) {
	System.out.println(e);
}
}
```

```
}
```

Output:

Empid	Name	Salary
1	Alice	55000
2	Bob	45000
3	Alice	60000
4	David	65000
5	Eve	45000

2. Print same name employees

```
import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;

public class Samenameemployees{
        public static void main(String[] args) {
        String url="jdbc:mysql://localhost:3306/mydb";
        String user="root";
        String password="password";
        try {
                Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection(url,user,password);
                CallableStatement cs=c.prepareCall("{call sameName()}");
                ResultSet rs=cs.executeQuery();
                System.out.println("Empid\tName\tSalary");
                while(rs.next()) {
```

```
                int id=rs.getInt("eid");
                String name=rs.getString("ename");
                int sal=rs.getInt("sal");
                System.out.println(id+"\t"+name+"\t"+sal);
            }
            rs.close();
            cs.close();
            }
            catch(Exception e) {
                System.out.println(e);
            }
        }

}
```

Output:

Empid	Name	Salary
1	Alice	55000
3	Alice	60000

3. Print highest and lowest salary from employee table

```
import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
public class HighandLowsalaries {
    public static void main(String[] args) {
        String url="jdbc:mysql://localhost:3306/mydb";
        String user="root";
        String password="password";
        try {

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

```
            Connection con=DriverManager.getConnection(url,user,password);
                        CallableStatement cs=c.prepareCall("{call
    highestLow()}");
                        ResultSet rs=cs.executeQuery();
                        System.out.println("Highestsalary\tLowestsalary");
                        while(rs.next()) {
                                int highsalary=rs.getInt("highestsal");
                                int lowsalary=rs.getInt("lowestsal");
                                System.out.println(highsalary+"\t"+lowsalary);
                        }
                        rs.close();
                        cs.close();
                }
                catch(Exception e) {
                        System.out.println(e);
                }
        }

    }
```

Output:

Highestsalary	Lowestsalary
65000	45000

2. Create procedure or functions for Hospital table

1. print avg patient count on daily basis

```
 import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
public class Avgpatientcount{
   public static void main(String[] args) {
```

```
        String url = "jdbc:mysql://localhost:3306/mydb";
        String user = "root";
        String password = "password";


        try {
                Class.forName("com.mysql.cj.jdbc.Driver");
                Connection con=DriverManager.getConnection(url,user,password);
           CallableStatement cs = con.prepareCall("{CALL
avg_patient_count_daily()}");
           ResultSet rs = cs.executeQuery();
           while (rs.next()) {
              System.out.println("Average patients per day: " +
rs.getDouble("avg_patient_per_day"));
           }
          } catch (Exception e) {
           e.printStackTrace();
        }
    }
}
```

Output:

Average patients per day: 2.5

2. print all the patients whose belong to same ward

```
import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
public class Samewardpatient{
   public static void main(String[] args) {
      String url = "jdbc:mysql://localhost:3306/mydb";
      String user = "root";
      String password = "password";

      try {
         Class.forName("com.mysql.cj.jdbc.Driver");
         Connection con=DriverManager.getConnection(url,user,password);
CallableStatement cs = con.prepareCall("{CALL patients_same_ward()}");
         ResultSet rs = cs.executeQuery();
         System.out.println("\nPatients in same ward:");
         while (rs.next()) {
            System.out.println(rs.getInt("patient_id") + " - " + rs
.getString("name") +   " (Ward: " + rs.getInt("ward_no") + ")");
         }
} catch (Exception e) {
         e.printStackTrace();
      }
   }
```

```
}
```

Output:

Patients in same ward:

1 - Kajal devgan (Ward: 101)

3 - Mrunal thakur (Ward: 101)

5 - Kareeshama kapoor (Ward: 101)

3. arrange the patients list according their admission date

```
 import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
public class PatientsbyAdmissiondate{
   public static void main(String[] args) {
      String url = "jdbc:mysql://localhost:3306/mydb";
      String user = "root";
      String password = "password";

      try {
         Class.forName("com.mysql.cj.jdbc.Driver");
         Connection con=DriverManager.getConnection(url,user,password);
CallableStatement cs = con.prepareCall("{CALL patients_by_admission()}");
          ResultSet rs = cs.executeQuery();
          System.out.println("\nPatients by admission date:");
```

```
            while (rs.next()) {
                System.out.println(rs.getInt("patient_id") + " - " + rs.getString("name")
+ " (Admitted: " + rs.getDate("admission_date") + ")");
        }
} catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Output:

Patients by admission date:

1 - Kajal devgan (Admitted: 2025-08-01)

2 - Kareena kapoor (Admitted: 2025-08-01)

3 - Mrunal thakur (Admitted: 2025-08-01)

4 - Priyanka chopra (Admitted: 2025-08-02)

5 - Kareeshama kapoor (Admitted: 2025-08-02)