Practical no:- 18

Program Code:

1)

```
import java.sql.*;


public class student {
    public static void main(String[] args) {
        String url = "jdbc:mysql://localhost:3306/p18";
        String name = "root";
        String pass = "Nidhi@3108";
        String create = "create table student(roll_no int(20),  name varchar(20), marks int(20))";
        String insert = "insert into student (roll_no, name, marks) values (?, ?, ?)";
        try {
            Connection con = DriverManager.getConnection(url, name, pass);
            Statement st = con.createStatement();
            st.execute(create);
            System.out.println("Table created successfully!!");
            PreparedStatement pst = con.prepareStatement(insert);
            pst.setInt(1, 14);
            pst.setString(3, "Nidhi");
            pst.setInt(3, 85);
            System.out.println("Data inserted successfully!!");
            pst.executeUpdate();
            con.close();
        } catch (SQLException e) {
```

```
            System.out.println(e.getMessage());
        }
    }
}
```

```
Table created successfully!!
Data inserted successfully!!
```

2)

```
import java.sql.*;
 public class JdbcDemo {
    public static void main(String args[]) {
        try {
            System.out.println("Driver loaded");
            String url = "jdbc:mysql://localhost:3306/p18";
            String name = "root";
            String pass = "Nidhi@3108";
            Connection c = DriverManager.getConnection(url, name, pass);
            System.out.println("Connection to the database created");
            Statement st = c.createStatement();
            String s = "select * from student";
            ResultSet rs = st.executeQuery(s);
            String text = " ";
            System.out.println("Roll Number \t Name");
            while (rs.next()) {
                text = text + rs.getInt(1) + "\t" + rs.getString(2) + "\n";
            }            System.out.println(text);
```

```
            st.close();
            c.close();

        } catch (SQLException e) {
            System.out.println("sql error");
        }
    }
}
```

```
Driver loaded
Connection to the database created
```

Exercise :

1)

```
import java.sql.*;
 public class emp {
    public static void main(String[] args) {
        String url = "jdbc:mysql://localhost:3306/p18";
        String user = "root";
        String pass = "Nidhi@3108";
        String query = "create table employee (emp_id int(4), emp_name varchar(20))";
        try {
            Connection c = DriverManager.getConnection(url, user, pass);
            Statement st = c.createStatement();
            st.execute(query);
            System.out.println("employee table created successfully!");
            c.close();
```

```
        } catch (SQLException e) {


        }
    }
}
```

```
employee table created successfully!
```

```
mysql> show tables;
+----------------+
| Tables_in_p18 |
+----------------+
| employee       |
| student        |
+----------------+
2 rows in set (0.63 sec)
```

2)

```
import java.sql.*;
 public class stud_per {
    public static void main(String[] args) {
        String url = "jdbc:mysql://localhost:3306/p18";
        String user = "root";
        String pass = "Nidhi@3108";
        String query = "select * from stud where percentage > 70";
        try {
            Connection con = DriverManager.getConnection(url, user, pass);
```

```
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery(query);
            System.out.println("Roll No.\tPercentage");
            while (rs.next()) {
                System.out.println(rs.getInt(1) + "\t" + rs.getInt(3));
            }
            con.close();

        } catch (SQLException e) {
        }
    }
}
```

```
Roll No.        Percentage
14      85
```