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Course → B.Sc (IT) 4th sem

Set - B

Subject → Java prog Lab

Course / Univ Roll No → 1922051

Ques-3

Ans-3 →

```
import java.sql.*;
import java.util.Scanner
class InvalidDetail extends Exception {
    @Override public String toString() {
        return "Exception Invalid : Student roll number";
    }
}
```

```
public class JDBCdemo {
    Connection con = null;
    Statement stmt = null;
    JDBCdemo() throws ClassNotFoundException, SQLException {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/jdb2",
            "root", "");
        stmt = con.createStatement();

        Scanner sc = new Scanner(System.in);
        System.out.println("Enter roll no : ");
        int roll = sc.nextInt();
        if (! (roll >= 1 && roll <= 63)) {
            InvalidDetail e = new InvalidDetail();
            System.out.println(e);
        }
    }
}
```

```
else {
```

```
    System.out.println("valid details");
```

```
}
```

```
// for reading
```

```
ResultSet rs = stmt.executeQuery("select * from student");
```

```
System.out.println("Details are");
```

```
    System.out.println(rs.getString("name"));
```

```
    System.out.println(rs.getInt("RollNumber"));
```

```
    System.out.println(rs.getDouble("Percentage"));
```

```
    Con.close();
```

```
}
```

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

```
    try {
```

```
        new JDBCdemo(),
```

```
    }
```

```
        catch (Exception e)
```

```
    {
```

```
        e.printStackTrace();
```

```
    }
```

```
}
```

```
}
```

```

1  import java.sql.*;
2  import java.util.Scanner;
3
4  class InvalidDetail extends Exception {
5      @Override
6      public String toString() {
7          return "exception invalid : student roll number";
8      }
9  }
10
11
12
13  public class JDBCdemo {
14      Connection con = null;
15      Statement stmt = null;
16
17      JDBCdemo() throws ClassNotFoundException, SQLException {
18          Class.forName("com.mysql.cj.jdbc.Driver");
19          con = DriverManager.getConnection("jdbc:mysql://localhost:3306/db1", "root", "");
20          stmt = con.createStatement();
21
22          Scanner sc = new Scanner(System.in);
23          System.out.println("Enter roll no : ");
24          int roll = sc.nextInt();
25          if (!(roll >= 1 && roll <= 63)) {
26              InvalidDetail e = new InvalidDetail();
27              System.out.println(e);
28          }
29          else {
30              System.out.println("Valid details");
31          }
32          //for reading
33          ResultSet rs = stmt.executeQuery("SELECT `Name`, `RollNumber`, `Percentage` FROM `student` WHERE ROLLNUMBER="+roll);
34          System.out.println("Details are");
35          System.out.println(rs.getString("Name"));
36          System.out.println(rs.getInt("RollNumber"));
37          System.out.println(rs.getDouble("Percentage"));
38
39
40          con.close();
41      }
42
43      public static void main(String[] args) {
44          try {
45              new JDBCdemo();
46          } catch (Exception e) {
47              e.printStackTrace();
48          }
49      }
50  }
51

```