Name: Kunal Sanjay Ekare Batch | Roll_no:B2-37 Subject:Software lab 2 Practical:2

2. Write a Java Program to provide database connectivity with MySQL to create a table name as Product_Details and insert data in it as mentioned in table given below.

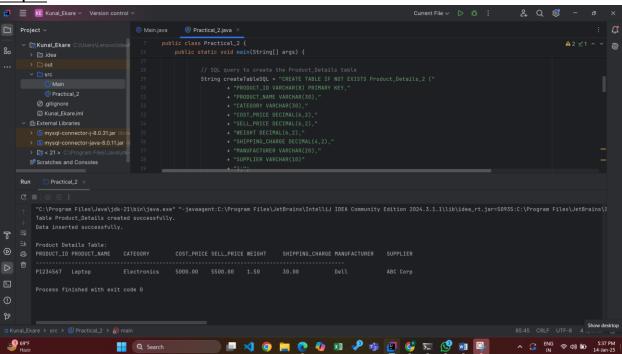
Name	Null?	Туре
PRODUCT_ID		VARCHAR2(8)
PRODUCT_NAME		VARCHAR2(30)
CATEGORY		VARCHAR2(4)
COST_PRICE		NUMBER(6,2)
SELL_PRICE		NUMBER(6,2)
WEIGHT		NUMBER(4,2)
SHIPPING_CHARGE		NUMBER(5,2)
MANUFACTURER		VARCHAR2(20)
SUPPLIER		VARCHAR2(10)

JAVA Program:

```
statement.executeUpdate(createTableSQL);
             System.out.println("Table Product Details created
             String insertDataSQL = "INSERT INTO Product Details 2
             PreparedStatement preparedStatement =
connection.prepareStatement(insertDataSQL);
             preparedStatement.setString(2, "Laptop");
preparedStatement.setString(3, "Electronics");
             preparedStatement.setDouble(4, 5000.00);
             preparedStatement.setDouble(5, 5500.00);
             preparedStatement.setDouble(6, 1.50);
preparedStatement.setDouble(7, 30.00);
preparedStatement.setString(8, "Dell");
             preparedStatement.setString(9, "ABC Corp");
             preparedStatement.executeUpdate();
             String selectQuery = "SELECT * FROM Product Details 2";
             ResultSet resultSet = statement.executeQuery(selectQuery);
             System.out.println("\nProduct Details Table:");
             System.out.println("-----
                           resultSet.getString("PRODUCT ID"),
                          resultSet.getString("PRODUCT NAME"),
                          resultSet.getString("CATEGORY"),
                           resultSet.getDouble("COST PRICE"),
                          resultSet.getDouble("SHIPPING CHARGE"),
                          resultSet.getString("MANUFACTURER"),
                          resultSet.getString("SUPPLIER"));
```

```
} catch (Exception e) {
        e.printStackTrace();
} finally {
        try {
            if (statement != null) {
                statement.close();
            }
            if (connection != null) {
                      connection.close();
            }
        } catch (Exception ex) {
                 ex.printStackTrace();
        }
}
```

Output:



In MySql: Changes

```
mysql> show databases;
  Database
  college
  college_1
  college_2
  college_3
college_4
college_5
college_demo
  college_demo1
  company
  information_schema
  kunaldb
  mysql
  payament
  performance_schema
  rtmnu
  rtmnu_1
  sys
  testdb
  think_ans
  xyz_company
20 rows in set (0.02 sec)
mysql> use rtmnu;
Database changed
mysql> select * from Product_Details_2;
  PRODUCT_ID | PRODUCT_NAME |
                            CATEGORY
                                        | COST_PRICE
                                                      SELL_PRICE
                                                                   WEIGHT
                                                                           SHIPPING_CHARGE
                                                                                            MANUFACTURER |
                                                                                                           SUPPLIER
  P1234567
                            Electronics
                                             5000.00
                                                         5500.00
                                                                     1.50
                                                                                     30.00
                                                                                            Dell
                                                                                                           ABC Corp
1 row in set (0.01 sec)
mysql>
```

^{*}Main.java is Attached on Google classroom.