Create a Java program using JDBC to insert a new product into the Products table and then implement a trigger in the database that updates the LastModified timestamp in the Product_Metadata table whenever a product is added or modified. [Hint:Create products and Product_Metadata table.Create trigger using JDBC.Run insert query using MySQL command line client.]

```
mysql> use dbmsdemo;
Database changed
mysql> CREATE TABLE Products (
    -> ProductID INT PRIMARY KEY AUTO_INCREMENT,
    -> ProductName VARCHAR(255),
    -> Price DECIMAL(10, 2),
    -> Description TEXT
    -> );
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> DELIMITER //
mysql> CREATE TRIGGER updateProductMetadata
   -> AFTER INSERT ON Products
   -> FOR EACH ROW
   -> BEGIN
   -> INSERT INTO Product_Metadata (ProductID) VALUES (NEW.ProductID)
   -> ON DUPLICATE KEY UPDATE LastModified = CURRENT_TIMESTAMP;
   -> END;
   -> //
Query OK, 0 rows affected (0.02 sec)
mysql> DELIMITER;
```

```
mysql> select * from Products;
Empty set (0.01 sec)
```

```
ackage com.anudip.saurav;
mport java.sql.Connection;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
bublic class InsertProduct (
         String username = "root";
String password = "Pandey";
username, password)) {
the new product");
              e.printStackTrace();
         String insertQuery = "INSERT INTO Products (ProductName, Price,
         try (PreparedStatement preparedStatement =
connection.prepareStatement(insertQuery)) {
              preparedStatement.setString(1, productName);
              preparedStatement.setDouble(2, price);
              preparedStatement.setString(3, description);
              int rowsAffected = preparedStatement.executeUpdate();
              if (rowsAffected > 0) {
                   System.out.println("Product inserted successfully.");
                   System.out.println("Failed to insert product.");
```