Triggers:
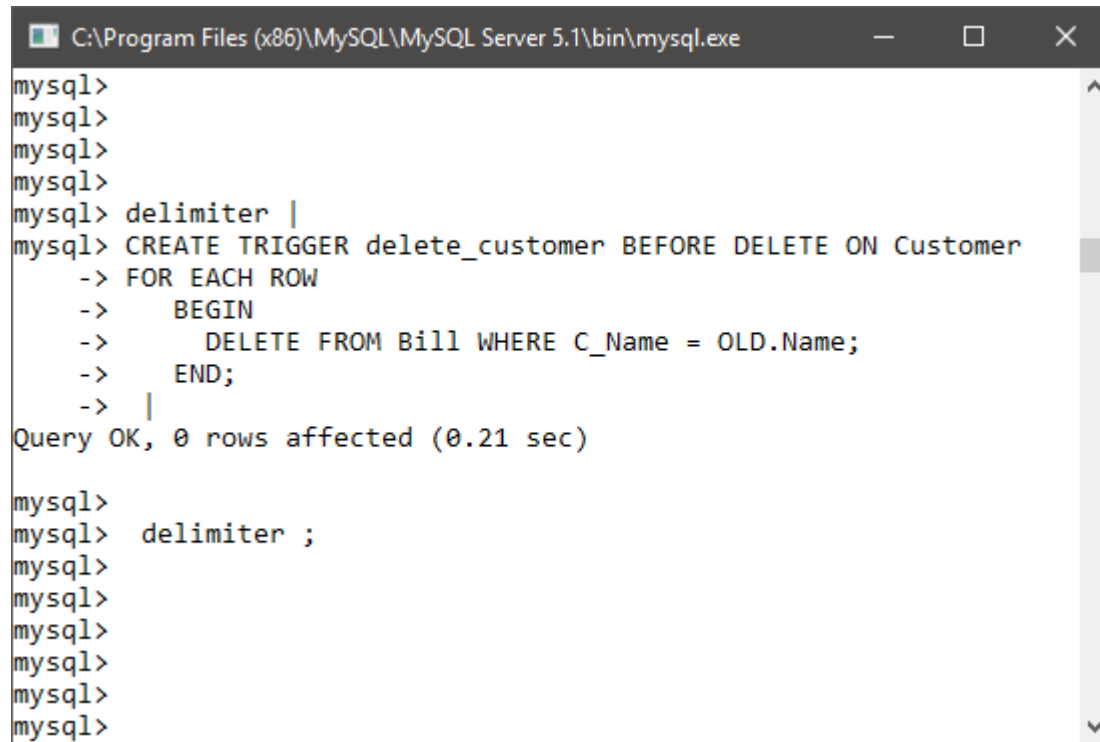
```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe        —    □    ✕

mysql>
mysql>
mysql>
mysql>
mysql> delimiter |
mysql> CREATE TRIGGER delete_customer BEFORE DELETE ON Customer
    -> FOR EACH ROW
    ->    BEGIN
    ->       DELETE FROM Bill WHERE C_Name = OLD.Name;
    ->    END;
    -> |
Query OK, 0 rows affected (0.21 sec)

mysql>
mysql>  delimiter ;
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
```

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe                    —    □    ✕

mysql> select Distinct Name From Customer where name Like 'C%';
+------------------+
| Name             |
+------------------+
| Cathy Rivet      |
| Carli Saleh      |
| Caryl Turnquist  |
| Courtney Vanscoy |
+------------------+
4 rows in set (0.00 sec)

mysql> select Distinct C_Name From Bill where C_Name Like 'C%';
+-------------+
| C_Name      |
+-------------+
| Cathy Rivet |
| Carli Saleh |
+-------------+
2 rows in set (0.00 sec)

mysql> Delete From Customer where Name = 'Cathy Rivet';
Query OK, 1 row affected (0.04 sec)

mysql> select Distinct Name From Customer where name Like 'C%';
+------------------+
| Name             |
+------------------+
| Carli Saleh      |
| Caryl Turnquist  |
| Courtney Vanscoy |
+------------------+
3 rows in set (0.00 sec)

mysql> select Distinct C_Name From Bill where C_Name Like 'C%';
+-------------+
| C_Name      |
+-------------+
| Carli Saleh |
+-------------+
1 row in set (0.00 sec)

mysql>
```

Cursor :

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe                 —    □    ×

mysql> CREATE PROCEDURE exp_medicine_list (INOUT medicine_list varchar(4000))
    -> BEGIN
    ->
    ->  DECLARE v_finished INTEGER DEFAULT 0;
    ->         DECLARE medicine varchar(100) DEFAULT "";
    ->
    ->  DEClARE medicine_cursor CURSOR FOR
    ->  SELECT Trade_name FROM expired_medicine;
    ->
    ->  DECLARE CONTINUE HANDLER
    ->         FOR NOT FOUND SET v_finished = 1;
    ->
    ->  OPEN medicine_cursor;
    ->
    ->  get_medicine: LOOP
    ->
    ->  FETCH medicine_cursor INTO medicine;
    ->
    ->  IF v_finished = 1 THEN
    ->  LEAVE get_medicine;
    ->  END IF;
    ->
    ->  SET medicine_list = CONCAT(medicine,";",medicine_list);
    ->
    ->  END LOOP get_medicine;
    ->
    ->  CLOSE medicine_cursor;
    ->
    -> END$$
Query OK, 0 rows affected (0.06 sec)

mysql>
mysql> DELIMITER ;
mysql> SET @medicine_list = "";
```

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql...    —    □    ×

mysql>
mysql> DELIMITER ;
mysql> SET @medicine_list = "";
Query OK, 0 rows affected (0.00 sec)

mysql> CALL exp_medicine_list(@medicine_list);
Query OK, 0 rows affected (0.17 sec)

mysql> SELECT @medicine_list;
+--------------------------------+
| @medicine_list                 |
+--------------------------------+
| Zyrtec;Ativan;Singulair;Plavix; |
+--------------------------------+
1 row in set (0.00 sec)

mysql>
mysql>
mysql>
```

```java
import java.sql.*;

public class Jdbc_medical_store
{
  static
  {
    try
    {
      Class.forName("com.mysql.jdbc.Driver");
    }
    catch (ClassNotFoundException cnf)
    {
      System.out.println("Driver could not be loaded: " + cnf);
    }
  }

  public static void main(String[] args)
  {
    String connectionUrl = "jdbc:mysql://localhost:3306/Medical_store";
    String dbUser = "root";
    String dbPwd = "root";
    Connection conn;
    ResultSet rs;
    String queryString = "SELECT TRADE_NAME FROM EXPIRED_MEDICINE;";

    try
    {
      conn = DriverManager.getConnection(connectionUrl, dbUser, dbPwd);
      Statement stmt = conn.createStatement();
      rs = stmt.executeQuery(queryString);

      System.out.println("Expired Medicines");
      System.out.println("===========\n");
      while(rs.next())
      {
        System.out.print(rs.getString("Trade_name"));
        System.out.println();
      }
      if (conn != null)
      {
```
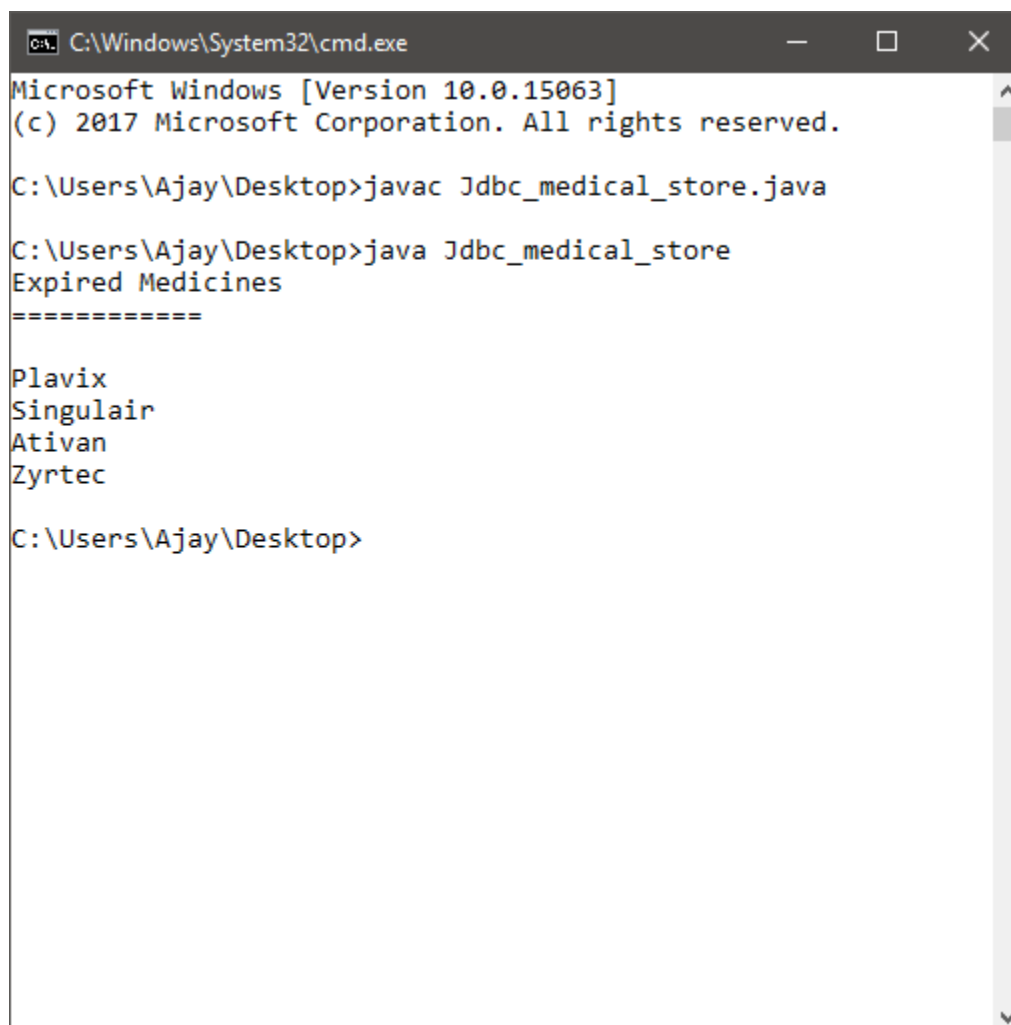
```
      conn.close();
      conn = null;
    }
   }
  catch (SQLException sqle)
  {
    System.out.println("SQL Exception thrown: " + sqle);
  }
 }
}
```

Output

```
C:\Windows\System32\cmd.exe                    —    □    ✕

Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Ajay\Desktop>javac Jdbc_medical_store.java

C:\Users\Ajay\Desktop>java Jdbc_medical_store
Expired Medicines
============

Plavix
Singulair
Ativan
Zyrtec

C:\Users\Ajay\Desktop>
```