

## 1.class Car Through JDBC:-

11 August 2021 14:36

The screenshot shows the Spring Tool Suite 4 IDE with the following details:

- Project Explorer:** Shows a project named 'jdbcdemo' with a package 'com.yash.jdbcdemo' containing 'App.java', 'Car.java', 'DatabaseConnection.java', and 'Dealer.java'.
- Code Editor:** Displays the 'Car.java' file with the following code:

```
35
36
37  /**
38   * crated class car
39   */
40
41  /* String sql = "CREATE TABLE Car " +           // create Table car
42   " (RegNo INTEGER not NULL, " +
43   " OwnerName VARCHAR(255), " +
44   " Type VARCHAR(255), " +
45   " Engine VARCHAR(255), " +
46   " PRIMARY KEY ( RegNo ));
47   st.executeUpdate(sql); */
48
49
50  /**
51   * insert records into car Table
52   */
53
54  /* logger.info("insert records into table car");
55   String sql = "INSERT INTO Car VALUES (102, 'Swati', 'Maruthi', '1996 steel metal part for bodywork')";
56   st.executeUpdate(sql);
57   sql = "INSERT INTO Car VALUES (103, 'Smita', 'Hundai', '1997 automaker car fetures')";
58   st.executeUpdate(sql);
59   sql = "INSERT INTO Car VALUES (104, 'Swapnali', 'Maruthi', '1998 rebotic car fetures')";
60   st.executeUpdate(sql);
61   sql = "INSERT INTO Car VALUES (105, 'Anvit', 'Hundai', '1999 Electronic car fetures')";
62   st.executeUpdate(sql);
63   sql = "INSERT INTO Car VALUES (106, 'Nikita', 'Hundai', '2000 CNG car fetures')";
64   st.executeUpdate(sql);
65   logger.info("record inserted");*/
```
- Console:** Shows the output of the application:

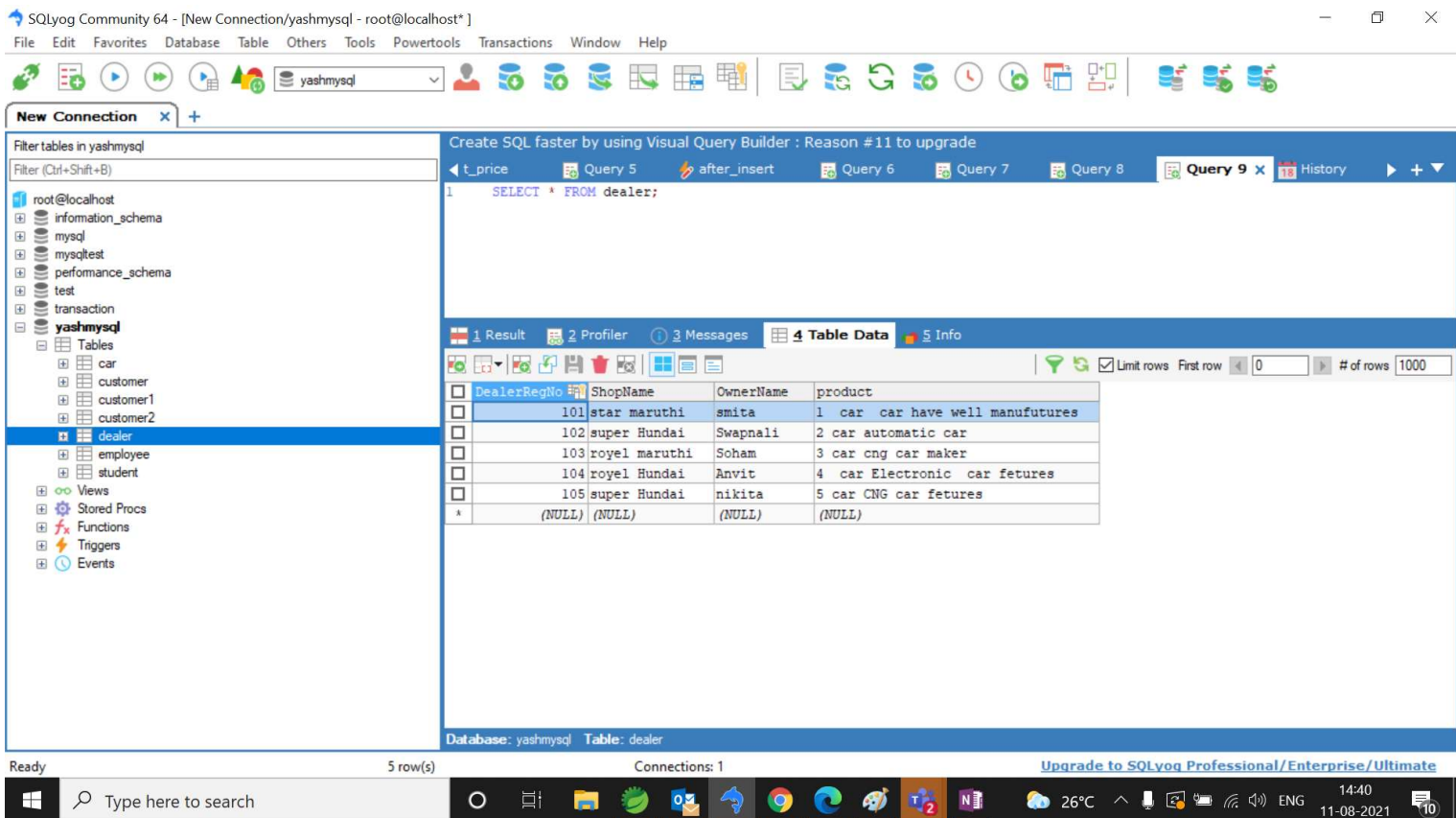
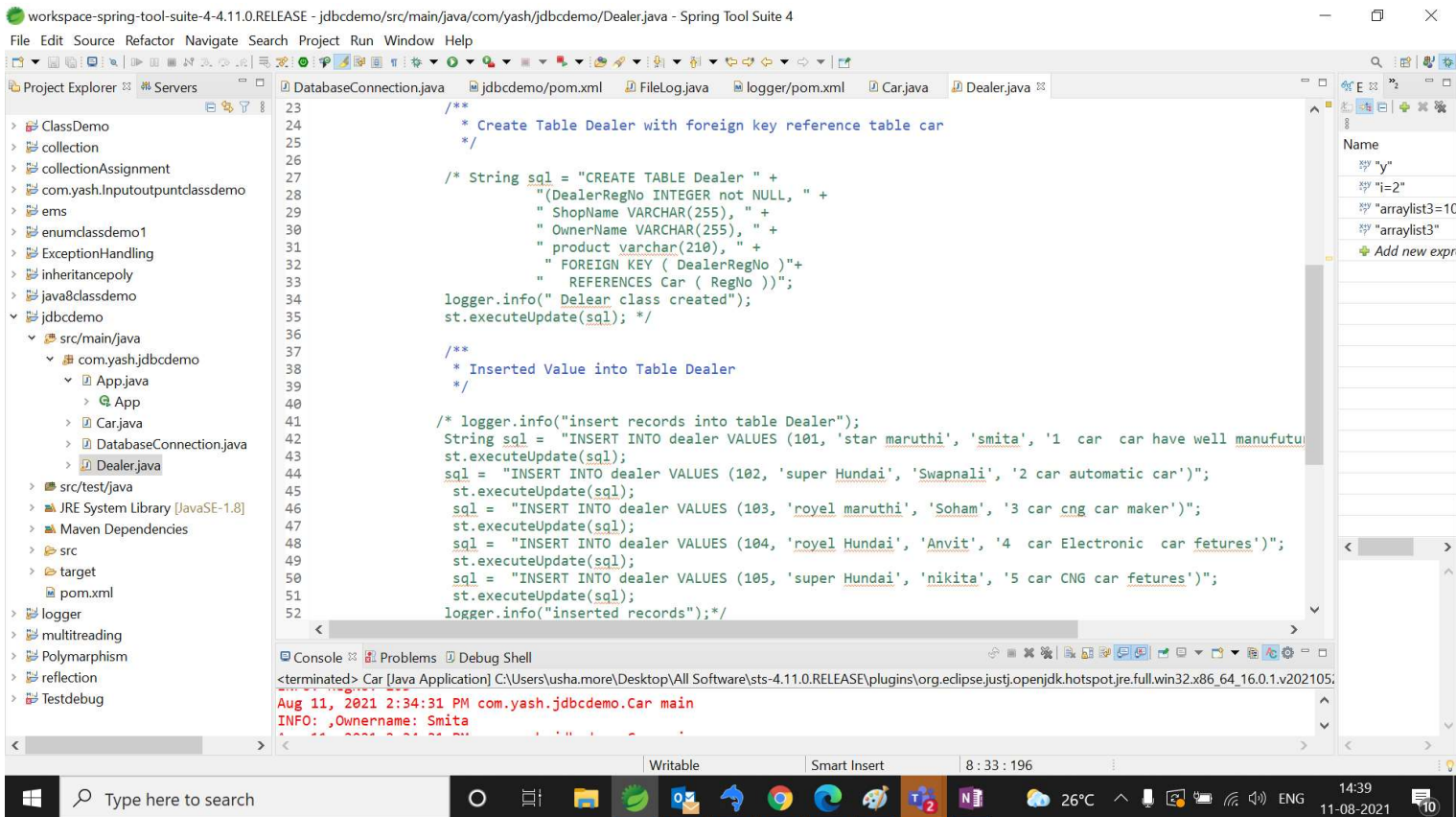
```
<terminated> Car [Java Application] C:\Users\usha.more\Desktop\All Software\sts-4.11.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.1.v20210511
Aug 11, 2021 2:34:31 PM com.yash.jdbcdemo.Car main
INFO: ,Ownername: Smita
```

The screenshot shows the SQLyog Community 64 interface with the following details:

- Connection:** A new connection named 'yashmysql' is established to a MySQL database on localhost.
- Database Structure:** The 'yashmysql' database contains several tables, including 'car', 'customer', 'customer1', 'customer2', 'dealer', 'employee', and 'student'.
- Query Results:** A query is executed: `SELECT * FROM dealer;` The results show 6 rows of data:

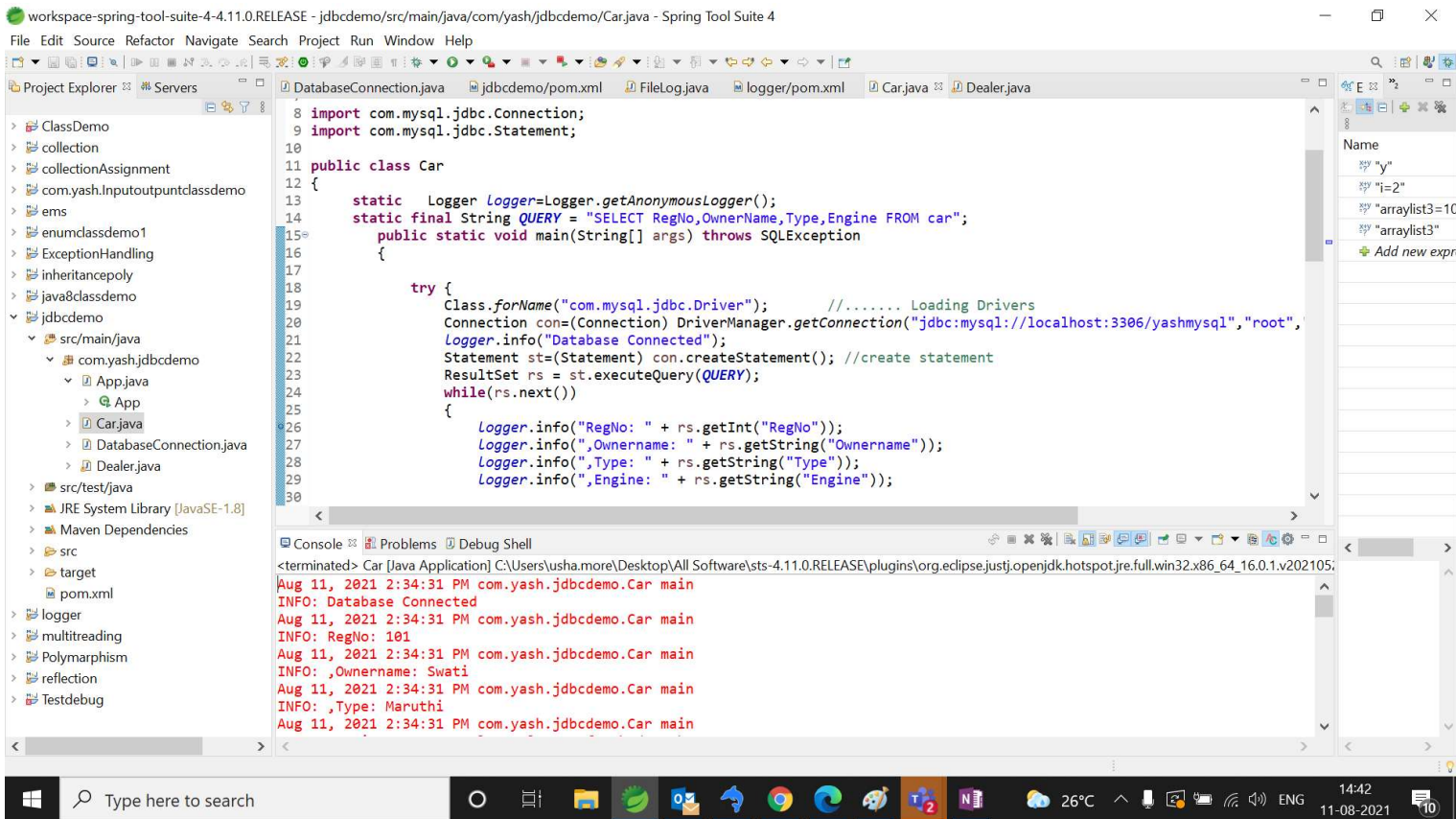
RegNo	OwnerName	Type	Engine
101	Swati	Maruthi	1996 steel metal part for bodywork
102	Swati	Maruthi	1996 steel metal part for bodywork
103	Smita	Hundai	1997 automaker car fetures
104	Swapnali	Maruthi	1998 rebotic car fetures
105	Anvit	Hundai	1999 Electronic car fetures
106	Nikita	Hundai	2000 CNG car fetures

## 2.class Dealer Through JDBC:-

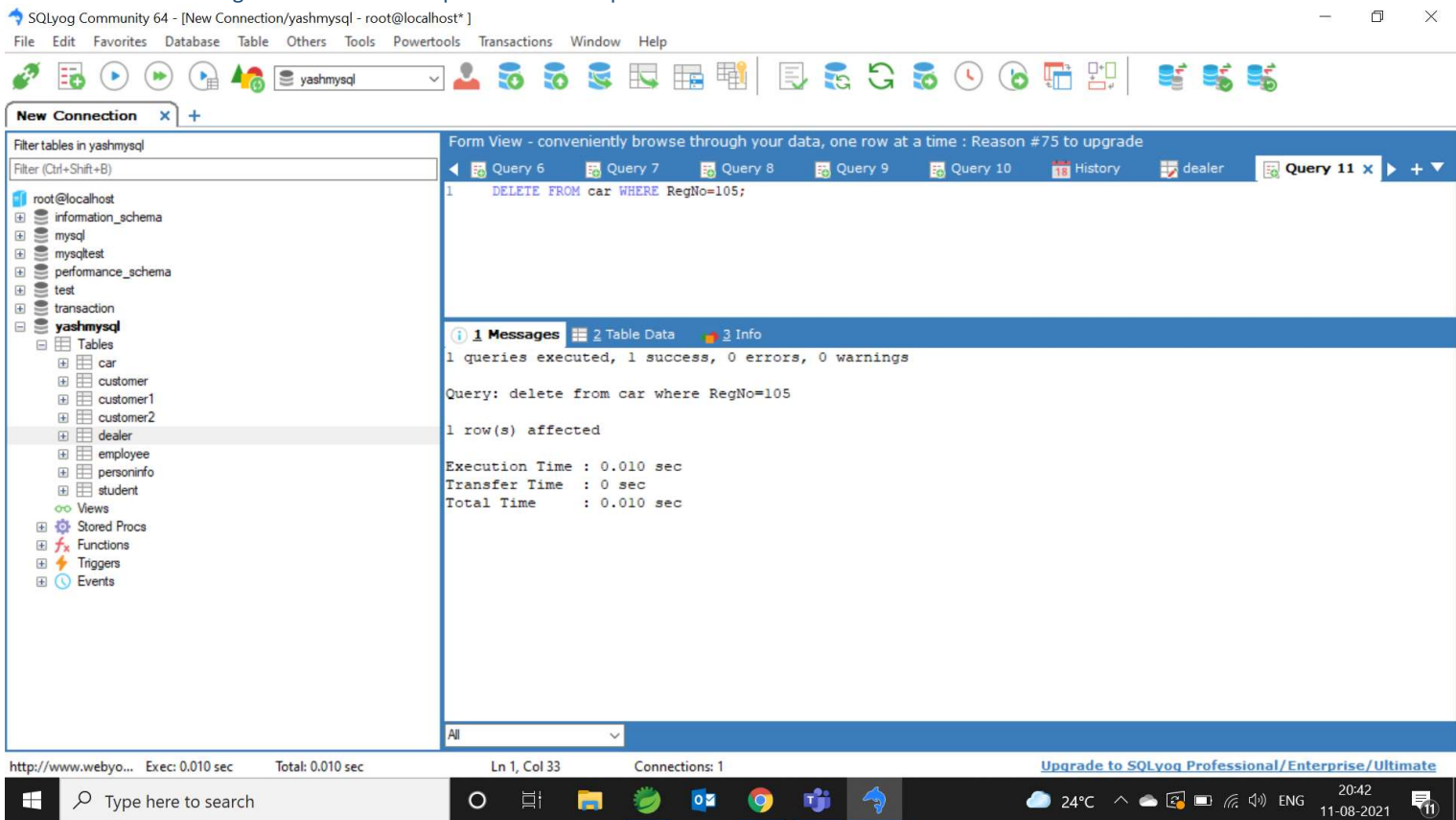


### 3.select statement Through JDBC:-





**Delete Records:-** Before on delete cascade the foreign key is not all to delete records but using on delete cascade...perform delete operation



SQLyog Community 64 - [New Connection/yashmysql - root@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

Filter tables in yashmysql

Filter (Ctrl+Shift+B)

root@localhost

- information\_schema
- mysql
- mysqltest
- performance\_schema
- test
- transaction
- yashmysql
  - Tables
    - car
    - customer
    - customer1
    - customer2
    - dealer
    - employee
    - personinfo
    - student
  - Views
  - Stored Procs
  - Functions
  - Triggers
  - Events

Data Sync tool helps restore missing or damaged data at table, row or column level : Reason #34 to upgrade

Query 6 Query 7 Query 8 Query 9 Query 10 History dealer Query 11 x

1 SELECT \* FROM car;

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info

(Read Only)

Limit rows First row 0 # of rows 1000

RegNo	OwnerName	Type	Engine
101	Swati	Maruthi	1996 steel metal part for bodywork
102	Swati	Maruthi	1996 steel metal part for bodywork
103	Smita	Hundai	1997 automaker car fetures
104	Swapnali	Maruthi	1998 rebotic car fetures
106	Nikita	Hundai	2000 CNG car fetures

select \* from car LIMIT 0, 1000

Query batch compl... Exec: 0 sec Total: 0.002 sec 5 row(s) Ln 1, Col 18 Connections: 1

Upgrade to SQLyog Professional/Enterprise/Ultimate

Type here to search

24°C 20:45 11-08-2021

SQLyog Community 64 - [New Connection/yashmysql - root@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

Filter tables in yashmysql

Filter (Ctrl+Shift+B)

root@localhost

- information\_schema
- mysql
- mysqltest
- performance\_schema
- test
- transaction
- yashmysql
  - Tables
    - car
    - customer
    - customer1
    - customer2
    - dealer
    - employee
    - personinfo
    - student
  - Views
  - Stored Procs
  - Functions
  - Triggers
  - Events

Print your database schema using Visual Schema Designer : Reason #9 to upgrade

Query 6 Query 7 Query 8 Query 9 Query 10 History dealer Query 11 x

1 SELECT \* FROM dealer;

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info

(Read Only)

Limit rows First row 0 # of rows 1000

DealerRegNo	ShopName	OwnerName	product
101	star maruthi	smita	1 car car have well manufactures
102	super Hundai	Swapnali	2 car automatic car
103	royel maruthi	Soham	3 car cng car maker
104	royel Hundai	Anvit	4 car Electronic car fetures
106	royel maruthi	usha	6 car cng car

select \* from dealer LIMIT 0, 1000

Query batch compl... Exec: 0 sec Total: 0.002 sec 5 row(s) Ln 1, Col 21 Connections: 1

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24°C 20:46 11-08-2021

Using JDBC : delete the record from parent table it will be affected to child table because of forgine key:

workspace-spring-tool-suite-4-4.11.0.RELEASE - jdbcdemo/src/main/java/com/yash/jdbcdemo/Car.java - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Servers DatabaseConnection.java jdbcdemo/pom.xml FileLog.java logger/pom.xml Car.java Dealer.java Batch.java

```

21
22
23     try {
24         Class.forName("com.mysql.jdbc.Driver"); //..... Loading Drivers
25         Connection con=(Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/yashmysql","root",
26         Logger.info("Database Connected");
27         Statement st=(Statement) con.createStatement(); //create statement
28         String sql = "DELETE FROM car " +
29             "WHERE RegNo = 106";
30         st.executeUpdate(sql);
31         ResultSet rs = st.executeQuery(QUERY);
32         while(rs.next())
33         {
34             Logger.info("RegNo: " + rs.getInt("RegNo"));
35             Logger.info(",Ownername: " + rs.getString("Ownername"));
36             Logger.info(",Type: " + rs.getString("Type"));
37             Logger.info(",Engine: " + rs.getString("Engine"));
38         }
39     }

```

Console

```

<terminated> Car [Java Application] C:\Users\usha.more\Desktop\All Software\sts-4.11.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_16.0.1.v202105
INFO: ,Engine: 1996 steel metal part for bodywork
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: RegNo: 103
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: ,Ownername: Smita
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: ,Type: Hyundai
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: ,Engine: 1997 automaker car fetures
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: RegNo: 104
Aug 11, 2021 8:59:58 PM com.yash.jdbcdemo.Car main
INFO: ,Ownername: Swapnali

```

Writable Smart Insert 29 : 44 : 984

SQLyog Community 64 - [New Connection/yashmysql - root@localhost]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

Filter tables in yashmysql

root@localhost

- information\_schema
- mysql
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- test
- transaction
- yashmysql
  - Tables
    - car
    - customer
    - customer1
    - customer2
    - dealer
    - employee
    - personinfo
    - student
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Build complex queries using drag-n-drop interface : Reason #13 to upgrade

Query 6 Query 7 Query 8 Query 9 Query 10 History dealer Query 11

```

1 SELECT * FROM car;

```

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info

(Read Only) Limit rows First row 0 # of rows 1000

RegNo	OwnerName	Type	Engine
101	Swati	Maruthi	1996 steel metal part for bodywork
102	Swati	Maruthi	1996 steel metal part for bodywork
103	Smita	Hyundai	1997 automaker car fetures
104	Swapnali	Maruthi	1998 rebotic car fetures

select \* from car LIMIT 0, 1000

Query batch compl... Exec: 0 sec Total: 0.001 sec 4 row(s) Ln 1, Col 18 Connections: 1

Upgrade to SQLyog Professional/Enterprise/Ultimate



SQLyog Community 64 - [New Connection/yashmysql - root@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

Filter tables in yashmysql

Filter (Ctrl+Shift+B)

root@localhost

- information\_schema
- mysql
- mysqtest
- performance\_schema
- test
- transaction
- yashmysql
  - Tables
    - car
    - customer
    - customer1
    - customer2
    - dealer
    - employee
    - personinfo
    - student
  - Views
  - Stored Procs
  - Functions
  - Triggers
  - Events

SQL Formatter beautifies your SQL code instantly : Reason #50 to upgrade

Query 6 Query 7 Query 8 Query 9 Query 10 History dealer Query 11

1 SELECT \* FROM dealer;

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info

(Read Only)

DealerRegNo	ShopName	OwnerName	product
101	star maruthi	smiya	1 car car have well manufactures
102	super Hundai	Swapnali	2 car automatic car
103	royel maruthi	Soham	3 car cng car maker
104	royel Hundai	Anvit	4 car Electronic car fetures

select \* from dealer LIMIT 0, 1000

Query batch compl... Exec: 0 sec Total: 0.005 sec 4 row(s) Ln 1, Col 21 Connections: 1

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## Update Table:-

workspace-spring-tool-suite-4-4.11.0.RELEASE - jdbcdemo/src/main/java/com/yash/jdbcdemo/Car.java - Spring Tool Suite 4

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Project Explorer Servers

- ClassDemo
- collection
- collectionAssignment
- com.yash.Inputoutpundclassdemo
- ems
- enumdassdemo1
- ExceptionHandling
- inheritancepoly
- java8classdemo
- jdbcdemo
  - src/main/java
    - com.yash.jdbcdemo
      - App.java
      - Car.java
      - DatabaseConnection.java
      - Dealer.java
    - prepareStatement
    - src/test/java
    - JRE System Library [JavaSE-1.8]
    - Maven Dependencies
    - src
    - target
    - pom.xml
  - logger
  - multithreading
  - Polymorphism
  - reflection
  - Testdebug

```

21
22
23 try {
24     Class.forName("com.mysql.jdbc.Driver"); //..... Loading Drivers
25     Connection con=(Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/yashmysql","root",
26     Logger.info("Database Connected");
27     Statement st=(Statement) con.createStatement(); //create statement
28     String sql = "update car " +
29     "set ownerName ='usha' where RegNo in(103,104) ";
30     st.executeUpdate(sql);
31     ResultSet rs = st.executeQuery(QUERY);
32     while(rs.next())
33     {
34         Logger.info("RegNo: " + rs.getInt("RegNo"));
35         Logger.info("Ownername: " + rs.getString("Ownername"));
36         Logger.info(",Type: " + rs.getString("Type"));
37         Logger.info(",Engine: " + rs.getString("Engine"));
38     }
39
40

```

Console

```

<terminated> Car [Java Application] C:\Users\usha.more\Desktop\All Software\sts-4.11.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.1.v202105
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: ,Type: Hundai
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: ,Engine: 1997 automaker car fetures
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: RegNo: 104
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: ,Ownername: usha
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: ,Type: Maruthi
Aug 11, 2021 10:18:15 PM com.yash.jdbcdemo.Car main
INFO: ,Engine: 1998 rebotic car fetures

```

Writable Smart Insert 38 : 26 : 1372

Type here to search

SQLyog Community 64 - [New Connection/test - root@localhost]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

test

New Connection

Filter tables in test

Filter (Ctrl+Shift+B)

- root@localhost
  - information\_schema
  - mysql
  - mysqtest
  - performance\_schema
  - test
    - Tables
    - Views
    - Stored Procs
    - Functions
    - Triggers
    - Events
  - transaction
  - yashmysql
    - Tables
      - car
      - customer
      - customer1
      - customer2
      - dealer
      - employee
      - personinfo
      - student
    - Views
    - Stored Procs
    - Functions
    - Triggers
    - Events

Search across all databases without writing any queries : Reason #70 to upgrade

Query 7 Query 8 Query 9 Query 10 History dealer Query 11 Query 12

1

1 Messages 2 Table Data 3 Info

Limit rows First row 0 # of rows 1000

RegNo	OwnerName	Type	Engine
101	Swati	Maruthi	1996 steel metal part for bodywork
102	Swati	Maruthi	1996 steel metal part for bodywork
103	usha	Hundai	1997 automaker car fetures
104	usha	Maruthi	1998 rebotic car fetures
*	(NULL)	(NULL)	(NULL)

Database: yashmysql Table: car

Ready 4 row(s) Connections: 1 Upgrade to SQLyog Professional/Enterprise/Ultimate

Type here to search

22°C 22:19 11-08-2021