SE1748 - Đỗ Thế Phi - SE161229 - Lab 5 - BDI202

Exercise 1:

Create Table Ex 1:

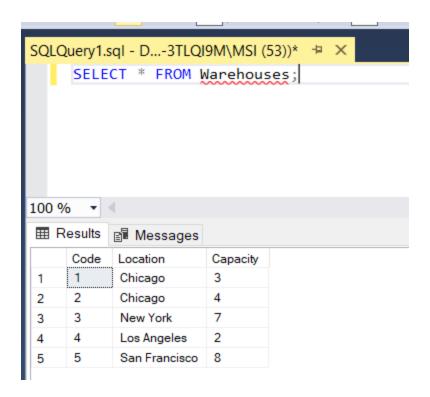
```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* 😐 🗙
   □CREATE TABLE Warehouses (
        Code INTEGER NOT NULL,
        Location VARCHAR(255) NOT NULL ,
        Capacity INTEGER NOT NULL,
        PRIMARY KEY (Code)
    CREATE TABLE Boxes (
         Code VARCHAR(255) NOT NULL,
         Contents VARCHAR(255) NOT NULL ,
         Value REAL NOT NULL ,
         Warehouse INTEGER NOT NULL,
         PRIMARY KEY (Code),
         FOREIGN KEY (Warehouse) REFERENCES Warehouses(Code)
     INSERT INTO Warehouses(Code,Location,Capacity) VALUES(1,'Chicago',3);
      INSERT INTO Warehouses(Code, Location, Capacity) VALUES(2, 'Chicago', 4);
      INSERT INTO Warehouses(Code, Location, Capacity) VALUES(3, 'New York',7);
TNCEDT TNTO Worshouses/Code Location Conscitut VALUES(4 'Loc Angeles' 2)

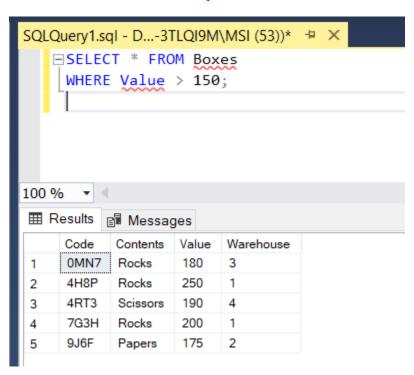
    Messages

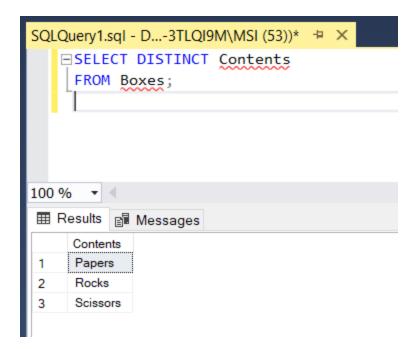
   (1 row affected)
   (1 row affected)

    Query executed successfully.

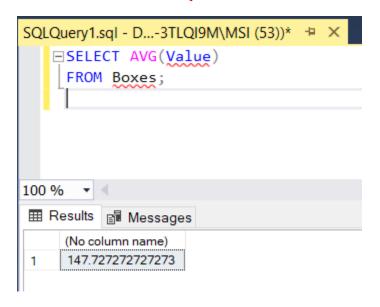
                                                                                                                DESKTOP-3TLQI9N
```

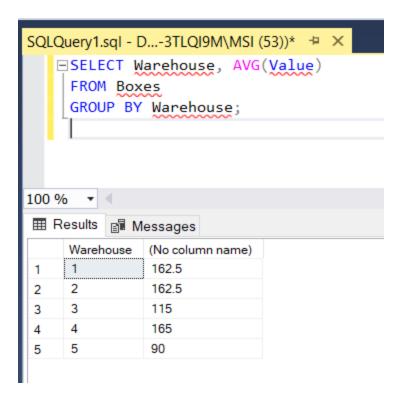




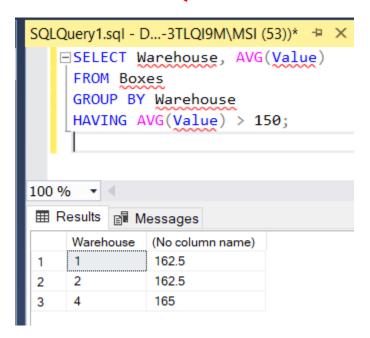


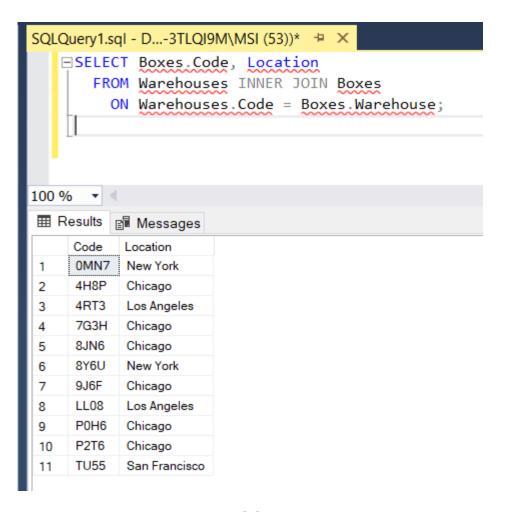
Q4

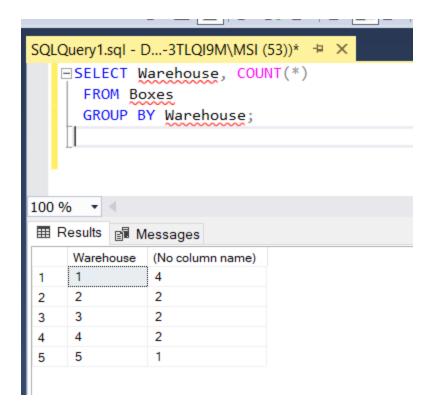




Q6







Q9

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* + X

SELECT Code
FROM Warehouses
WHERE Capacity <
(
SELECT COUNT(*)
FROM Boxes
WHERE Warehouse = Warehouses.Code
);

100 % 

Results
Messages

Code
1 1
```

Q10

```
SQLQuery1.sql - D...-3TLQl9M\MSI (53))*  

SELECT Boxes.Code
FROM Warehouses RIGHT JOIN Boxes
ON Warehouses.Code = Boxes.Warehouse
WHERE Location = 'Chicago';

Results Messages

Code
1 4H8P
2 7G3H
3 8JN6
4 9J6F
5 P0H6
6 P2T6
```

Q11

```
SQLQuery1.sql - D...-3TLQl9M\MSI (53))* ** X

INSERT INTO Warehouses VALUES (6, 'New York', 3);

Messages

(1 row affected)

Completion time: 2022-10-27T20:51:30.9624889+07:00
```

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* + X

INSERT INTO Boxes VALUES('H5RT', 'Papers', 200, 2);

Messages

(1 row affected)

Completion time: 2022-10-27T20:51:59.5450839+07:00
```

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* + X

=UPDATE Boxes SET Value = Value * 0.85;

100 %  
Messages

(12 rows affected)

Completion time: 2022-10-27T20:52:25.1852608+07:00
```

```
SQLQuery1.sql - D...-3TLQJ9M\MSI (53))* ** X

DUPDATE Boxes SET Value = Value * 0.80

WHERE Value > (SELECT AVG(Value) FROM (SELECT * FROM Boxes) AS X);

100 %  

Messages

(6 rows affected)

Completion time: 2022-10-27T20:53:08.6697386+07:00
```

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* 
DELETE FROM Boxes WHERE Value < 100;

100 %

Messages

(3 rows affected)

Completion time: 2022-10-27T20:53:30.0860984+07:00
```

Exercise 2:

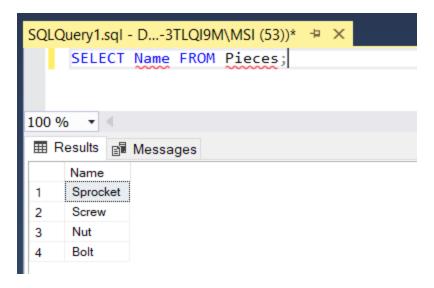
Create Table Ex 2:

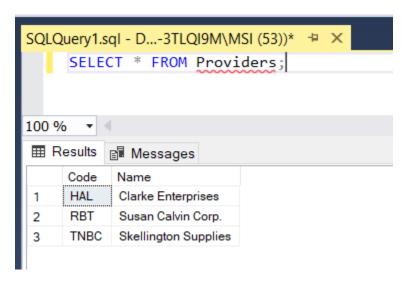
```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* 😕 🗙
   □CREATE TABLE Pieces (
       Code INTEGER PRIMARY KEY NOT NULL,
       Name TEXT NOT NULL
   ☐ CREATE TABLE Providers (
      Code VARCHAR(40)
       PRIMARY KEY NOT NULL,
       Name TEXT NOT NULL
      );
   ☐ CREATE TABLE Provides (
      Piece INTEGER,
       FOREIGN KEY (Piece) REFERENCES Pieces(Code),
       Provider VARCHAR(40),
       FOREIGN KEY (Provider) REFERENCES Providers(Code),
       Price INTEGER NOT NULL,
       PRIMARY KEY(Piece, Provider)
     );
     INSERT INTO Providers(Code, Name) VALUES('HAL','Clarke Enterprises');
100 % ▼ 4

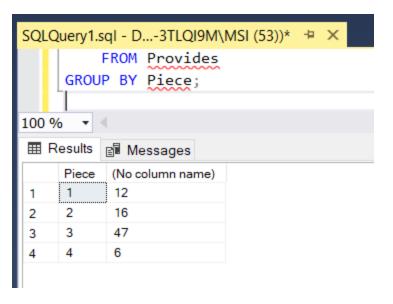
    Messages

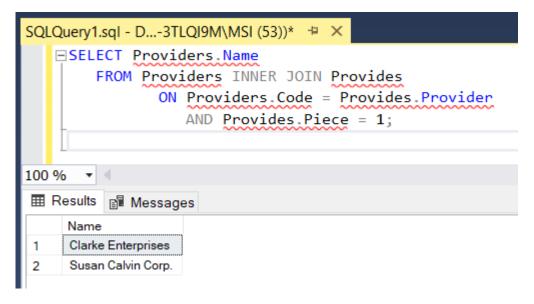
   (1 row affected)
   (1 row affected)
(1 row affected)

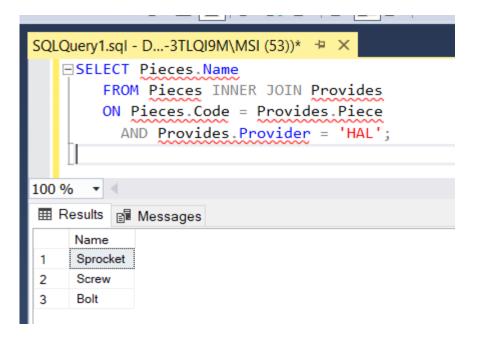
    Query executed successfully.
```











```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* = X
   ∃SELECT Pieces.Name, Providers.Name, Price
        FROM Pieces INNER JOIN Provides ON Pieces.Code = Piece
                     INNER JOIN Providers ON Providers.Code = Provider
        WHERE Price =
          SELECT MAX(Price) FROM Provides
          WHERE Piece = Pieces.Code
100 % ▼ 4
Name
            Name
                          Price
    Sprocket Susan Calvin Corp.
                          15
     Screw
             Clarke Enterprises
                           20
3
     Nut
             Susan Calvin Corp. 50
     Bolt
             Susan Calvin Corp. 7
```



```
SQLQuery1.sql - D...-3TLQl9M\MSI (53))* ** X

JPDATE Provides SET Price = Price + 1;

100 % 

Messages

(10 rows affected)

Completion time: 2022-10-27T21:03:01.1176372+07:00
```

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* ** X

DELETE FROM Provides

WHERE Provider = 'RBT'

AND Piece = 4;

Messages

(1 row affected)

Completion time: 2022-10-27T21:03:23.2390602+07:00
```

Q10

```
SQLQuery1.sql - D...-3TLQI9M\MSI (53))* + X

DELETE FROM Provides

WHERE Provider = 'RBT';

Messages

(3 rows affected)

Completion time: 2022-10-27T21:03:46.2265869+07:00
```