NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

Cachar, Assam

B.Tech. Vth Sem

Subject Code: CS-312

Subject Name: Database Management System

Submitted By:

     Name   : Subhojit Ghimire

     Sch. Id.   : 1912160

     Branch   : CSE – B

CONNECTION: 1912160_CS312

CREATE SCHEMA `assignment8`;

TABLE-1: customer table

	CustomerID	CustomerName	ContactName	Address	City	Postal Code	Country
	1	Alfreds Futterkiste	Maria Andres	Obere Str. 57	Berlin	12209	Germany
	2	Ana Trujillo Emparedadosy helados	Ana Trujillo	Avda. de la Constitucion 2222	Mexico D.F.	5021	Mexico
	3	Antonio Moreno Taqueria	Antonio Moreno	Mataderos 2312	Mexico D.F.	5023	Mexico
	4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
	5	Berglunds Snabbkop	Christina Berglund	Berguvsvagen 8	Lulea	S-95822	Sweden
	6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
	7	Blondel pere et fils	Frederique Citeaux	24, place Kleber	Strasbourg	67000	France
	8	Bolido Comidas preparadas	Martin Sommer	C/ Araquill, 67	Madrid	28023	Spain
	9	Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
	10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blyd.	Tsawassen	T2F 8M4	Canada
	11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK
	12	Cactus Comidas para IIeyar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina
	13	Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	Mexico D.F.	5022	Mexico
	14	Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland
	15	Comercio Mineiro	Pedro Afonso	Av. dos Lusiadas, 23	Sao Paulo	05432-043	Brazil
	16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK
	17	Drachenblut Delikatessend	Sven Ottlieb	Walserweg 21	Aachen	52066	Germany
	18	Du monde entier	Janine Labrune	67, rue des Clinquante Otages	Nantes	44000	France
	19	Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK
▶	20	Ernst Handel	Ronald Mendel	Kirchgasse 6	Graz	8010	Austria
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

CREATE TABLE `assignment8`.`customer table`   (

    `CustomerID` INT NOT NULL AUTO_INCREMENT,

    `CustomerName` VARCHAR(45) NOT NULL,

    `ContactName` VARCHAR(45) NULL,

    `Address` VARCHAR(45) NULL,

    `City` VARCHAR(45) NULL,

    `Postal Code` VARCHAR(45) NULL,

    `Country` VARCHAR(45) NULL,

    PRIMARY KEY (`CustomerID`)

);

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('1', 'Alfreds Futterkiste', 'Maria Andres', 'Obere Str. 57', 'Berlin', '12209', 'Germany');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('2', 'Ana Trujillo Emparedadosy helados', 'Ana Trujillo', 'Avda. de la Constitucion 2222', 'Mexico D.F.', '5021', 'Mexico');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('3', 'Antonio Moreno Taqueria', 'Antonio Moreno', 'Mataderos 2312', 'Mexico D.F.', '5023', 'Mexico');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('4', 'Around the Horn', 'Thomas Hardy', '120 Hanover Sq.', 'London', 'WA1 1DP', 'UK');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('5', 'Berglunds Snabbkop', 'Christina Berglund', 'Berguvsvagen 8', 'Lulea', 'S-95822', 'Sweden');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('6', 'Blauer See Delikatessen', 'Hanna Moos', 'Forsterstr. 57', 'Mannheim', '68306', 'Germany');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('7', 'Blondel pere et fils', 'Frederique Citeaux', '24, place Kleber', 'Strasbourg', '67000', 'France');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('8', 'Bolido Comidas preparadas', 'Martin Sommer', 'C/ Araquill, 67', 'Madrid', '28023', 'Spain');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('9', 'Bon app\'', 'Laurence Lebihans', '12, rue des Bouchers', 'Marseille', '13008', 'France');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('10', 'Bottom-Dollar Marketse', 'Elizabeth Lincoln', '23 Tsawassen Blyd.', 'Tsawassen', 'T2F 8M4', 'Canada');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('11', 'B\'s Beverages', 'Victoria Ashworth', 'Fauntleroy Circus', 'London', 'EC2 5NT', 'UK');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('12', 'Cactus Comidas para IIeyar', 'Patricio Simpson', 'Cerrito 333', 'Buenos Aires', '1010', 'Argentina');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('13', 'Centro comercial Moctezuma', 'Francisco Chang', 'Sierras de Granada 9993', 'Mexico D.F.', '5022', 'Mexico');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('14', 'Chop-suey Chinese', 'Yang Wang', 'Hauptstr. 29', 'Bern', '3012', 'Switzerland');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('15', 'Comercio Mineiro', 'Pedro Afonso', 'Av. dos Lusiadas, 23', 'Sao Paulo', '05432-043', 'Brazil');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('16', 'Consolidated Holdings', 'Elizabeth Brown', 'Berkeley Gardens 12 Brewery', 'London', 'WX1 6LT', 'UK');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('17', 'Drachenblut Delikatessend', 'Sven Ottlieb', 'Walserweg 21', 'Aachen', '52066', 'Germany');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('18', 'Du monde entier', 'Janine Labrune', '67, rue des Clinquante Otages', 'Nantes', '44000', 'France');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('19', 'Eastern Connection', 'Ann Devon', '35 King George', 'London', 'WX3 6FW', 'UK');

INSERT INTO `assignment8`.`customer table` (`CustomerID`, `CustomerName`, `ContactName`, `Address`, `City`, `Postal Code`, `Country`) VALUES ('20', 'Ernst Handel', 'Ronald Mendel', 'Kirchgasse 6', 'Graz', '8010', 'Austria');

TABLE-2: product

	ProductID	ProductName	SupplierID	CategoryID	Unit	Price
	1	Chais	1	1	10 boxes x 20 bags	18
	2	Chang	1	1	24 - 12 oz bottles	19
	3	Aniseed Syrup	1	2	12 - 550 ml bottles	10
	4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22
▶	5	Chef Anton's Gumbo Mix	2	2	36 boxes	21.35
*	NULL	NULL	NULL	NULL	NULL	NULL

CREATE TABLE `assignment8`.`product` (

   `ProductID` INT NOT NULL AUTO_INCREMENT,

   `ProductName` VARCHAR(45) NOT NULL,

   `SupplierID` INT NULL,

   `CategoryID` INT NULL,

   `Unit` VARCHAR(45) NULL,

   `Price` FLOAT NOT NULL,

   PRIMARY KEY (`ProductID`)

);

INSERT INTO `assignment8`.`product` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`, `Unit`, `Price`) VALUES ('1', 'Chais', '1', '1', '10 boxes x 20 bags', '18');

INSERT INTO `assignment8`.`product` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`, `Unit`, `Price`) VALUES ('2', 'Chang', '1', '1', '24 - 12 oz bottles', '19');

INSERT INTO `assignment8`.`product` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`, `Unit`, `Price`) VALUES ('3', 'Aniseed Syrup', '1', '2', '12 - 550 ml bottles', '10');

INSERT INTO `assignment8`.`product` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`, `Unit`, `Price`) VALUES ('4', 'Chef Anton\'s Cajun Seasoning', '2', '2', '48 - 6 oz jars', '22');

INSERT INTO `assignment8`.`product` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`, `Unit`, `Price`) VALUES ('5', 'Chef Anton\'s Gumbo Mix', '2', '2', '36 boxes', '21.35');

TABLE-3: orderdetails

OrderDetailID	OrderID	ProductID	Quantity
1	10248	11	12
2	10248	42	10
3	10248	72	5
4	10249	14	9
5	10249	51	40
NULL	NULL	NULL	NULL

CREATE TABLE `assignment8`.`orderdetails`   (

        `OrderDetailID` INT NOT NULL AUTO_INCREMENT,

        `OrderID` INT NOT NULL,

        `ProductID` INT NOT NULL,

        `Quantity` INT NOT NULL,

        PRIMARY KEY (`OrderDetailID`)

);

INSERT INTO `assignment8`.`orderdetails` (`OrderDetailID`, `OrderID`, `ProductID`, `Quantity`) VALUES ('1', '10248', '11', '12');

INSERT INTO `assignment8`.`orderdetails` (`OrderDetailID`, `OrderID`, `ProductID`, `Quantity`) VALUES ('2', '10248', '42', '10');

INSERT INTO `assignment8`.`orderdetails` (`OrderDetailID`, `OrderID`, `ProductID`, `Quantity`) VALUES ('3', '10248', '72', '5');

INSERT INTO `assignment8`.`orderdetails` (`OrderDetailID`, `OrderID`, `ProductID`, `Quantity`) VALUES ('4', '10249', '14', '9');

INSERT INTO `assignment8`.`orderdetails` (`OrderDetailID`, `OrderID`, `ProductID`, `Quantity`) VALUES ('5', '10249', '51', '40');

1. **Use Table 1 i.e., customer table and write the SQL query to select all fields from "Customers" where the country is "Germany" AND the city must be "Berlin" OR "München".**

   ➔ SELECT * FROM assignment8.`customer table`
   WHERE Country='Germany' AND (City='Berlin' OR City='Munchen');

	CustomerID	CustomerName	ContactName	Address	City	Postal Code	Country
▶	1	Alfreds Futterkiste	Maria Andres	Obere Str. 57	Berlin	12209	Germany
∗	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2. **Use Table 1 i.e., customer table and write the SQL query to select all fields from "Customers" where the country is NOT "Germany" and NOT "USA".**

   ➔ SELECT * FROM assignment8.`customer table`
   WHERE NOT Country='Germany' AND NOT Country='USA';
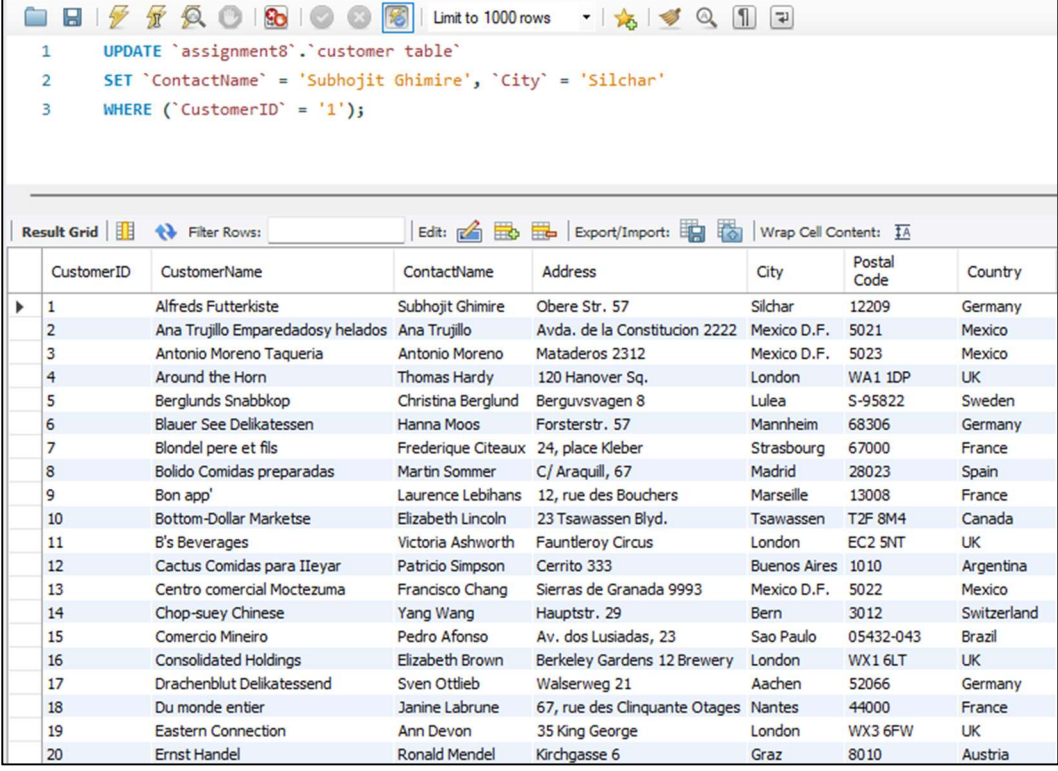
	CustomerID	CustomerName	ContactName	Address	City	Postal Code	Country
▶	2	Ana Trujillo Emparedadosy helados	Ana Trujillo	Avda. de la Constitucion 2222	Mexico D.F.	5021	Mexico
	3	Antonio Moreno Taqueria	Antonio Moreno	Mataderos 2312	Mexico D.F.	5023	Mexico
	4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
	5	Berglunds Snabbkop	Christina Berglund	Berguvsvagen 8	Lulea	S-95822	Sweden
	7	Blondel pere et fils	Frederique Citeaux	24, place Kleber	Strasbourg	67000	France
	8	Bolido Comidas preparadas	Martin Sommer	C/ Araquill, 67	Madrid	28023	Spain
	9	Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
	10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blyd.	Tsawassen	T2F 8M4	Canada
	11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK
	12	Cactus Comidas para IIeyar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina
	13	Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	Mexico D.F.	5022	Mexico
	14	Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland
	15	Comercio Mineiro	Pedro Afonso	Av. dos Lusiadas, 23	Sao Paulo	05432-043	Brazil
	16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK
	18	Du monde entier	Janine Labrune	67, rue des Clinquante Otages	Nantes	44000	France
	19	Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK
	20	Ernst Handel	Ronald Mendel	Kirchgasse 6	Graz	8010	Austria
∗	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3. **Use Table 1 i.e., customer table and write the SQL query to update the first customer (CustomerID = 1) with a new contact person and a new city.**

➜ UPDATE `assignment8`.`customer table`
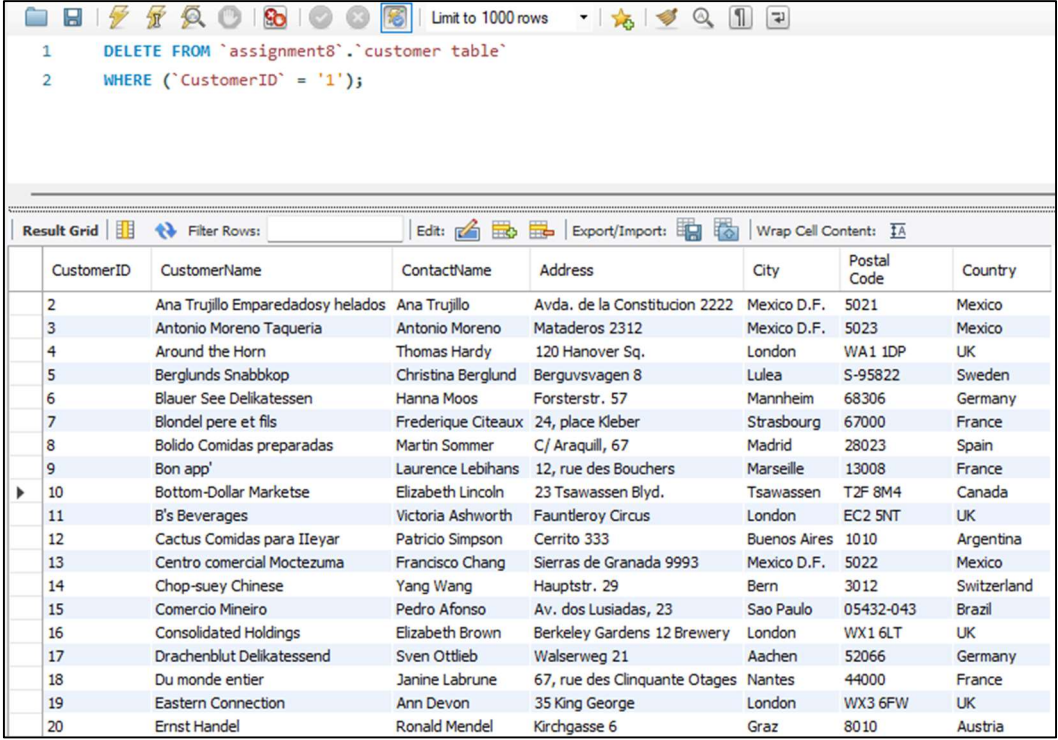SET `ContactName` = 'Subhojit Ghimire', `City` = 'Silchar' WHERE (`CustomerID` = '1');

```
1   UPDATE `assignment8`.`customer table`
2   SET `ContactName` = 'Subhojit Ghimire', `City` = 'Silchar'
3   WHERE (`CustomerID` = '1');
```

CustomerID	CustomerName	ContactName	Address	City	Postal Code	Country
1	Alfreds Futterkiste	Subhojit Ghimire	Obere Str. 57	Silchar	12209	Germany
2	Ana Trujillo Emparedadosy helados	Ana Trujillo	Avda. de la Constitucion 2222	Mexico D.F.	5021	Mexico
3	Antonio Moreno Taqueria	Antonio Moreno	Mataderos 2312	Mexico D.F.	5023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds Snabbkop	Christina Berglund	Berguvsvagen 8	Lulea	S-95822	Sweden
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
7	Blondel pere et fils	Frederique Citeaux	24, place Kleber	Strasbourg	67000	France
8	Bolido Comidas preparadas	Martin Sommer	C/ Araquill, 67	Madrid	28023	Spain
9	Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blyd.	Tsawassen	T2F 8M4	Canada
11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK
12	Cactus Comidas para IIeyar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina
13	Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	Mexico D.F.	5022	Mexico
14	Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland
15	Comercio Mineiro	Pedro Afonso	Av. dos Lusiadas, 23	Sao Paulo	05432-043	Brazil
16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK
17	Drachenblut Delikatessend	Sven Ottlieb	Walserweg 21	Aachen	52066	Germany
18	Du monde entier	Janine Labrune	67, rue des Clinquante Otages	Nantes	44000	France
19	Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK
20	Ernst Handel	Ronald Mendel	Kirchgasse 6	Graz	8010	Austria

4. **Use Table 1 i.e., customer table and write the SQL query to delete the customer "Alfreds Futterkiste" from the "Customers" table.**

➜ DELETE FROM `assignment8`.`customer table` WHERE (`CustomerID` = '1');
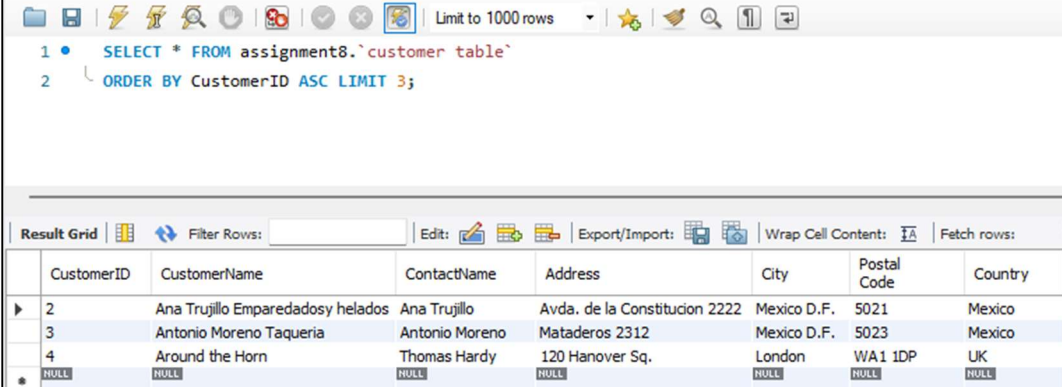
```
1   DELETE FROM `assignment8`.`customer table`
2   WHERE (`CustomerID` = '1');
```

CustomerID	CustomerName	ContactName	Address	City	Postal Code	Country
2	Ana Trujillo Emparedadosy helados	Ana Trujillo	Avda. de la Constitucion 2222	Mexico D.F.	5021	Mexico
3	Antonio Moreno Taqueria	Antonio Moreno	Mataderos 2312	Mexico D.F.	5023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds Snabbkop	Christina Berglund	Berguvsvagen 8	Lulea	S-95822	Sweden
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
7	Blondel pere et fils	Frederique Citeaux	24, place Kleber	Strasbourg	67000	France
8	Bolido Comidas preparadas	Martin Sommer	C/ Araquill, 67	Madrid	28023	Spain
9	Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blyd.	Tsawassen	T2F 8M4	Canada
11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK
12	Cactus Comidas para IIeyar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina
13	Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	Mexico D.F.	5022	Mexico
14	Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland
15	Comercio Mineiro	Pedro Afonso	Av. dos Lusiadas, 23	Sao Paulo	05432-043	Brazil
16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK
17	Drachenblut Delikatessend	Sven Ottlieb	Walserweg 21	Aachen	52066	Germany
18	Du monde entier	Janine Labrune	67, rue des Clinquante Otages	Nantes	44000	France
19	Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK
20	Ernst Handel	Ronald Mendel	Kirchgasse 6	Graz	8010	Austria

5. **Use Table 1 i.e., customer table and write the SQL query to select the first three records from the "Customers" table. (TOP Concept)**

➔ SELECT * FROM assignment8.`customer table`
ORDER BY CustomerID ASC LIMIT 3;
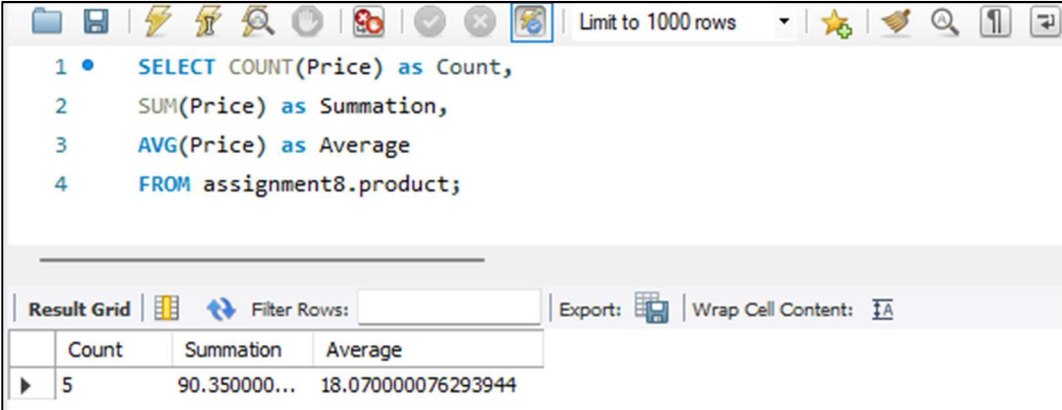
6. **Use Table 2 i.e., Product table and write the SQL query to find the count, sum and average price.**

➔ SELECT COUNT(Price) as Count,
SUM(Price) as Summation,
AVG(Price) as Average
FROM assignment8.product;
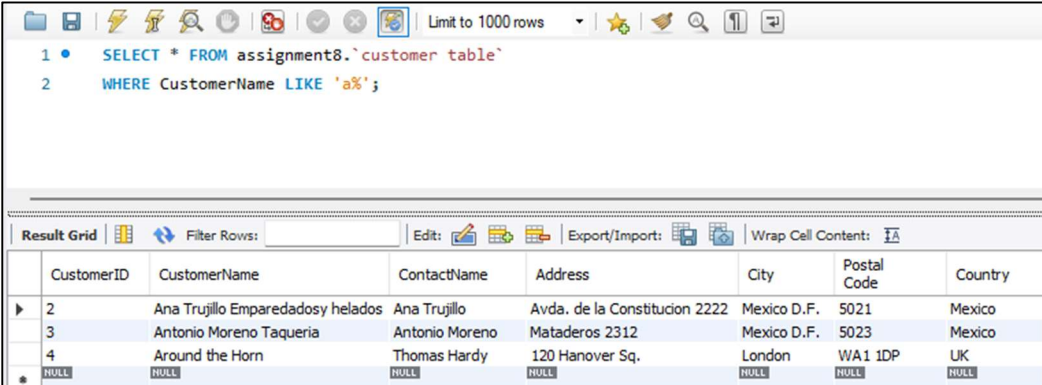
7. Use Table 1 i.e., customer table and write the SQL query to:

    i.   Find any values that start with "a".

        ➔ SELECT * FROM assignment8.`customer table`
           WHERE CustomerName LIKE 'a%';

    ii.   Find any values that end with "a".

        ➔ SELECT * FROM assignment8.`customer table`
           WHERE CustomerName LIKE '%a';

    iii.   Find any values that have "or" in any position.

        ➔ SELECT * FROM assignment8.`customer table`
           WHERE CustomerName LIKE '%or%';
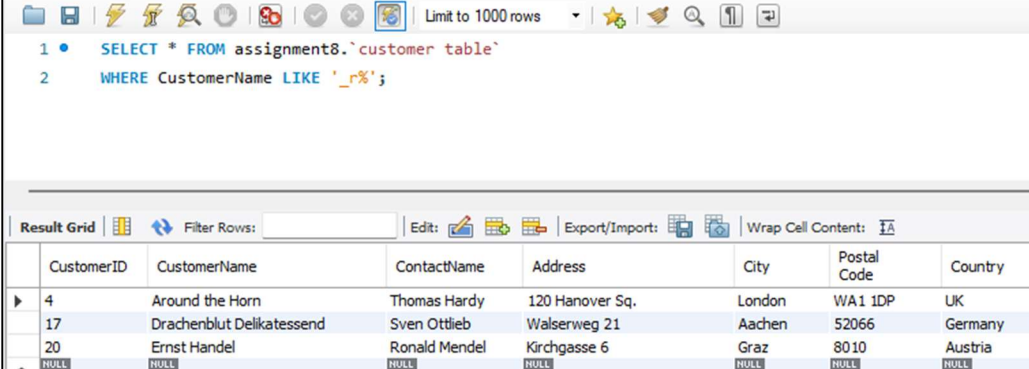
iv.   Find any values that have "r" in the second position.
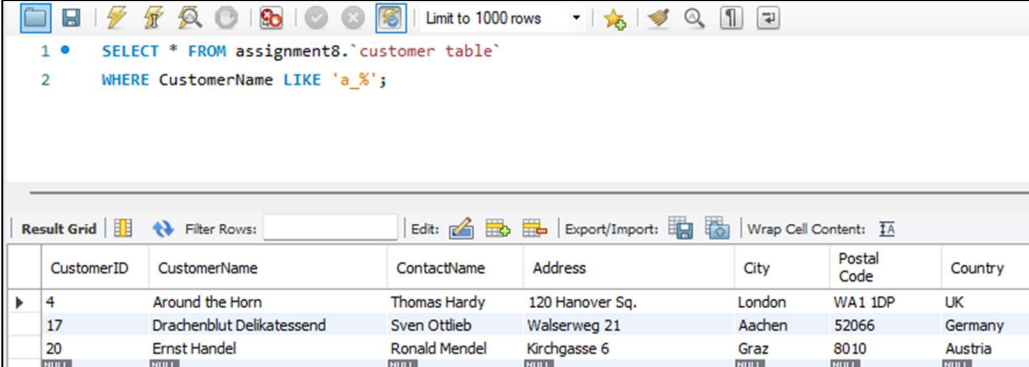
➔ SELECT * FROM assignment8.`customer table`
WHERE CustomerName LIKE '_r%';

v.   Find any values that start with "a" and are at least 2 characters in Length.
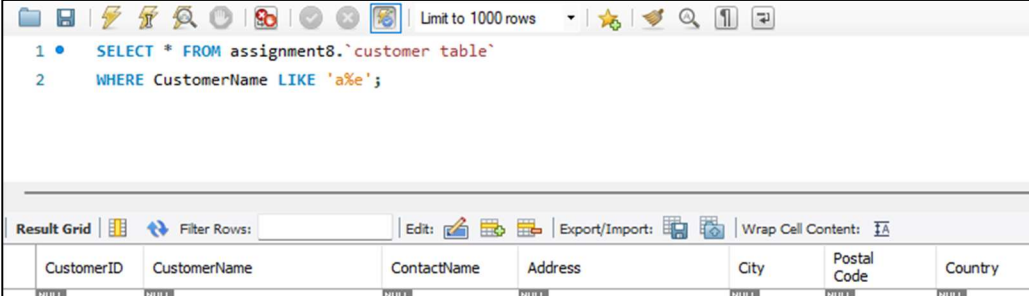
➔ SELECT * FROM assignment8.`customer table`
WHERE CustomerName LIKE 'a_%';

vi.   Find any values that start with "a" and end with "e".

➔ SELECT * FROM assignment8.`customer table`
WHERE CustomerName LIKE 'a%e';

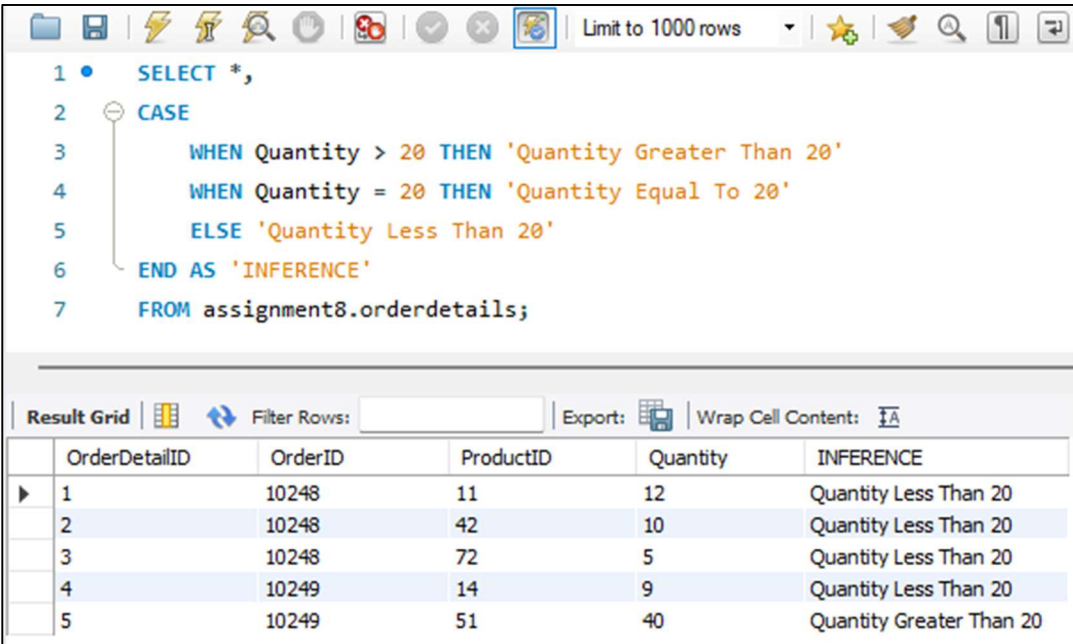8. **Use Table 3 i.e., Order Details table and write the SQL queries goes through conditions and returns a value depending upon 3 condition i.e.,: (CASE concept)**
    i. **The quantity is greater than 20.**
    ii. **The quantity is equal to 20.**
    iii. **The quantity is less than 20.**

➔ SELECT *,
  CASE
      WHEN Quantity > 20 THEN 'Quantity Greater Than 20'
      WHEN Quantity = 20 THEN 'Quantity Equal To 20'
      ELSE 'Quantity Less Than 20'
  END AS 'INFERENCE'
  FROM assignment8.orderdetails;

9. **Follow the following steps and write its queries and output (if error came also) by executing each step:**

   i. **Create a table "Person" with column ID, NAME and ADDRESS. Make ID as a primary key.**

   ➔ CREATE TABLE person   (
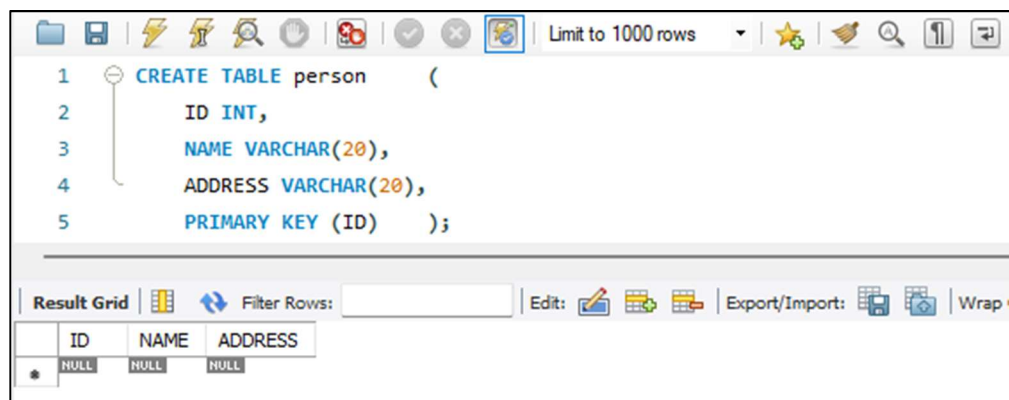   ID INT,
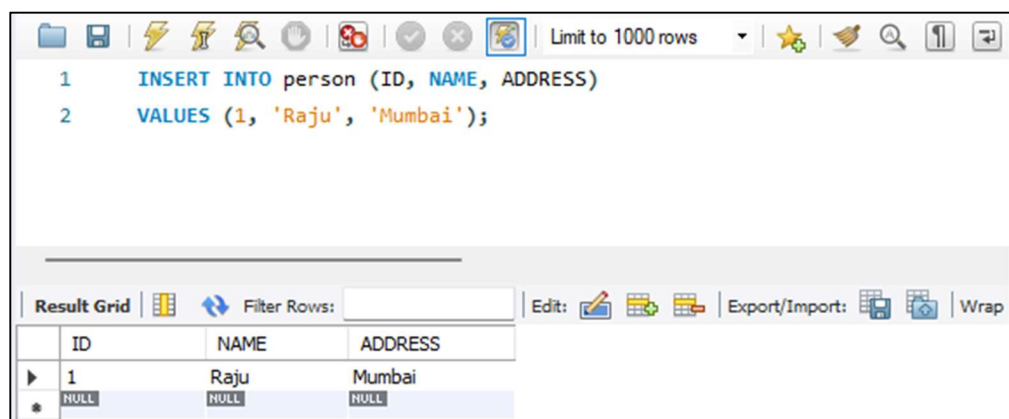   NAME VARCHAR(20),
                ADDRESS VARCHAR(20),
                PRIMARY KEY (ID)   );

   ii. **Insert values into Person values (1, 'Raju', 'Mumbai')**

   ➔ INSERT INTO person (ID, NAME, ADDRESS)
      VALUES (1, 'Raju', 'Mumbai');

   iii. **Insert values into Person values (1, 'Raju', 'Mumbai')**

   ➔ INSERT INTO person (ID, NAME, ADDRESS)
      VALUES (1, 'Raju', 'Mumbai');

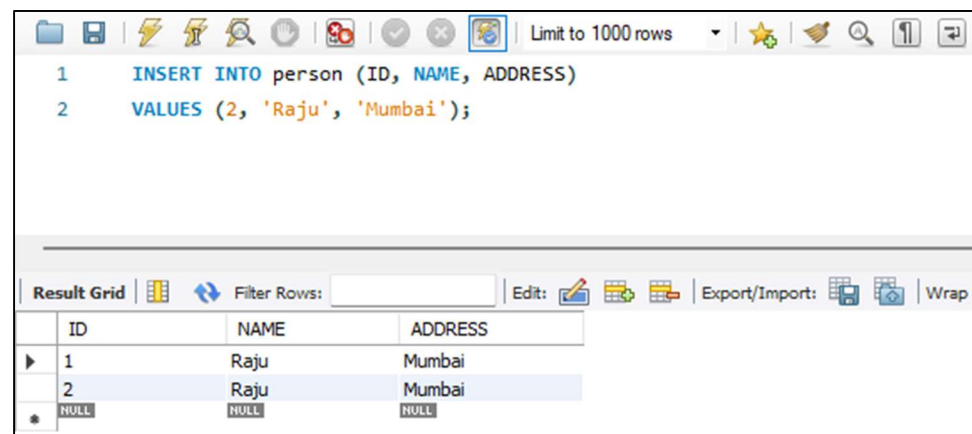   Error Code: 1062. Duplicate entry '1' for key 'person.PRIMARY'

iv. **Insert values into Person values (,'Raju', 'Mumbai')**

➜ INSERT INTO person (ID, NAME, ADDRESS)
VALUES (, 'Raju', 'Mumbai');

Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ', 'Raju', 'Mumbai')' at line 2

v. **Insert values into Person values (2, 'Raju', 'Mumbai')**

➜ INSERT INTO person (ID, NAME, ADDRESS)
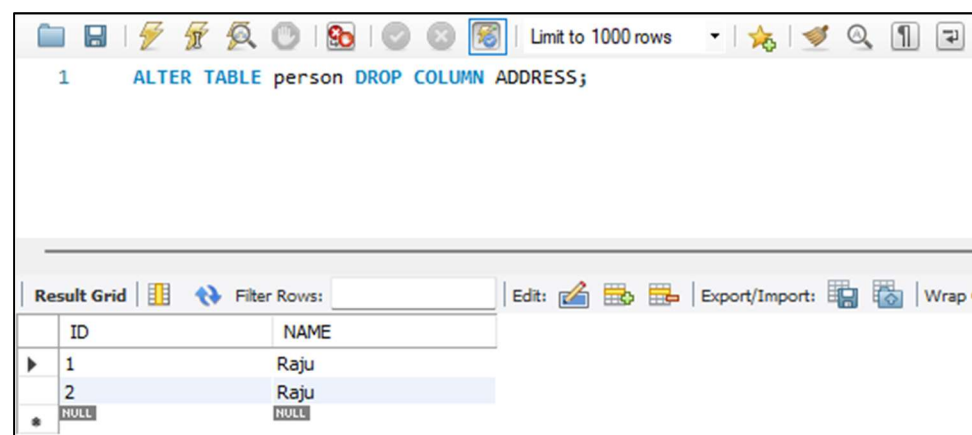VALUES (2, 'Raju', 'Mumbai');

vi. **Add primary key again to ID using ALTER**

➜ ALTER TABLE person ADD PRIMARY KEY (ID);

Error Code: 1068. Multiple primary key defined

vii. **Delete column "ADDRESS" using ALTER**

➜ ALTER TABLE person DROP COLUMN ADDRESS;

10. **Write a query to create two tables as shown below and create a Primary key S_id in the first table and O_id in the Second Table given below. Create a foreign key S_id in the second table and set a constraint to set null when foreign key reference primary key gets deleted (It means that the child data is set to NULL when the parent data is deleted).**

first table

	S_ID	LastName	FirstName	CITY
▶	1	MAURYA	AJEET	ALLAHABAD
	2	JAISWAL	RATAN	GHAZIABAD
	3	ARORA	SAUMYA	MODINAGAR
✱	NULL	NULL	NULL	NULL

second table

	O_Id	OrderNo	S_Id
▶	1	99586465	2
	2	78466588	2
	3	22354846	3
	4	57698656	1
✱	NULL	NULL	NULL

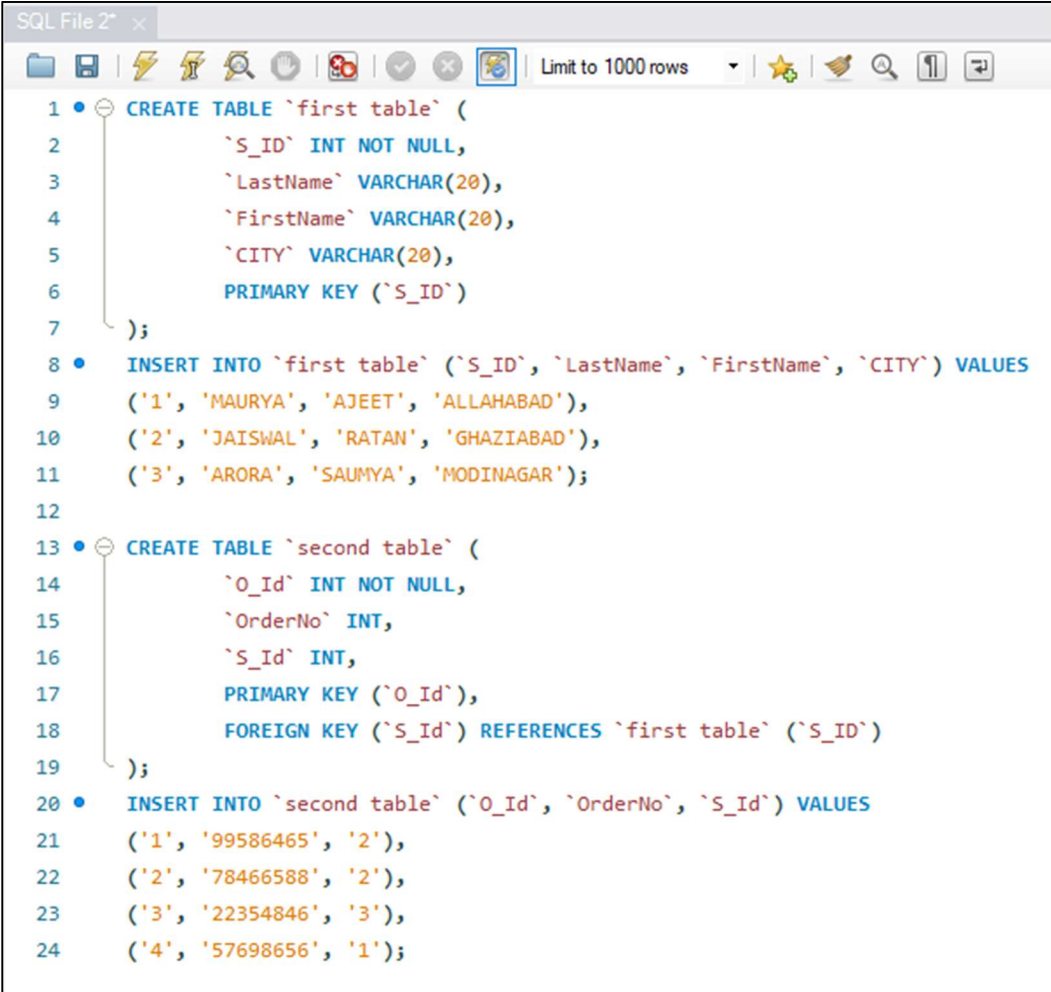➔ CREATE TABLE `first table` (
            `S_ID` INT NOT NULL,
            `LastName` VARCHAR(20),
            `FirstName` VARCHAR(20),
            `CITY` VARCHAR(20),
            PRIMARY KEY (`S_ID`)
);
INSERT INTO `first table` (`S_ID`, `LastName`, `FirstName`, `CITY`) VALUES
('1', 'MAURYA', 'AJEET', 'ALLAHABAD'),
('2', 'JAISWAL', 'RATAN', 'GHAZIABAD'),
('3', 'ARORA', 'SAUMYA', 'MODINAGAR');

CREATE TABLE `second table` (
            `O_Id` INT NOT NULL,
            `OrderNo` INT,
            `S_Id` INT,
            PRIMARY KEY (`O_Id`),
            FOREIGN KEY (`S_Id`) REFERENCES `first table` (`S_ID`)
);
INSERT INTO `second table` (`O_Id`, `OrderNo`, `S_Id`) VALUES
('1', '99586465', '2'),
('2', '78466588', '2'),
('3', '22354846', '3'),
('4', '57698656', '1');

```sql
SQL File 2*  ×

1   ⊖  CREATE TABLE `first table` (
2            `S_ID` INT NOT NULL,
3            `LastName` VARCHAR(20),
4            `FirstName` VARCHAR(20),
5            `CITY` VARCHAR(20),
6            PRIMARY KEY (`S_ID`)
7        );
8      INSERT INTO `first table` (`S_ID`, `LastName`, `FirstName`, `CITY`) VALUES
9      ('1', 'MAURYA', 'AJEET', 'ALLAHABAD'),
10     ('2', 'JAISWAL', 'RATAN', 'GHAZIABAD'),
11     ('3', 'ARORA', 'SAUMYA', 'MODINAGAR');
12
13  ⊖  CREATE TABLE `second table` (
14           `O_Id` INT NOT NULL,
15           `OrderNo` INT,
16           `S_Id` INT,
17           PRIMARY KEY (`O_Id`),
18           FOREIGN KEY (`S_Id`) REFERENCES `first table` (`S_ID`)
19       );
20     INSERT INTO `second table` (`O_Id`, `OrderNo`, `S_Id`) VALUES
21     ('1', '99586465', '2'),
22     ('2', '78466588', '2'),
23     ('3', '22354846', '3'),
24     ('4', '57698656', '1');
```