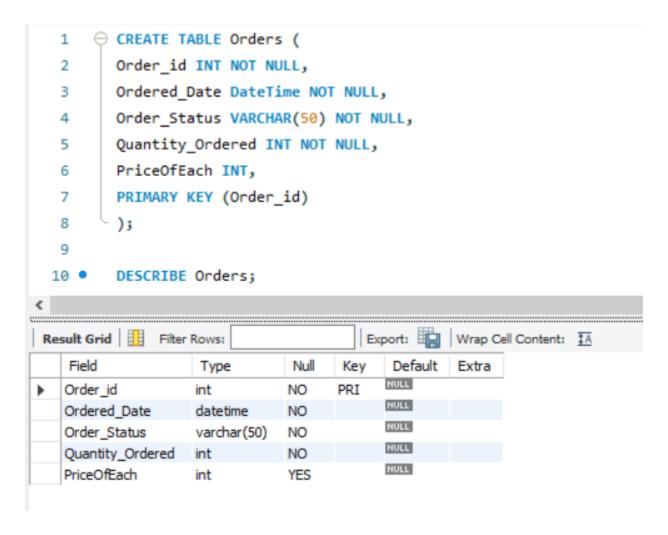
# COEN 380 Project 1

# 1. JDBC DRIVER CONNECTED IS Connector/ J 8.0.19

# 2. CREATE TABLES

Student Id: 00001588464



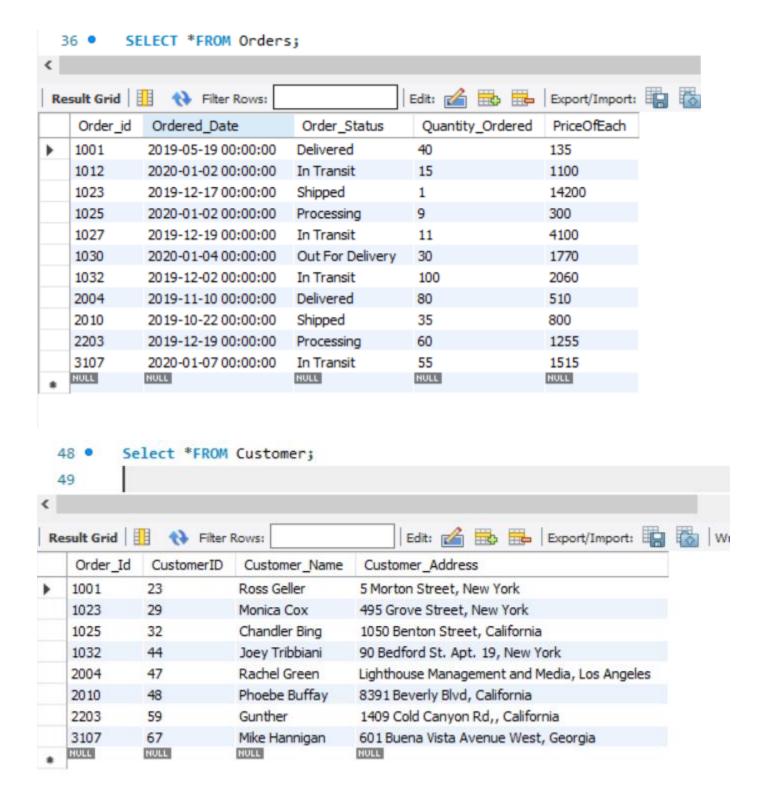
Student Id: 00001588464 Siddhant Kshatriya

```
11
 12 • G CREATE TABLE Customer(
         Order Id INT NOT NULL,
 13
        CustomerID INT NOT NULL,
 14
        Customer Name VARCHAR(50),
 15
        Customer_Address VARCHAR(75),
 16
        PRIMARY KEY(CustomerID),
 17
        FOREIGN KEY(Order_id) REFERENCES Orders(Order_id)
 18
 19
       );
 20
 21 •
         DESCRIBE Customer;
Result Grid Filter Rows:
                                       Export: Wrap Cell Content: IA
   Field
                                           Default
                   Type
                               Null
                                     Key
                                                   Extra
                                          NULL
                                     MUL
  Order_Id
                   int
                              NO
                                          NULL
                                     PRI
  CustomerID
                   int
                              NO
                                          NULL
  Customer_Name
                   varchar(50)
                              YES
                                          NULL
  Customer_Address varchar(75) YES
```

## 3. INSERT STATEMENT

```
INSERT INTO Orders VALUES
  23
         (1001, '2019-05-19', 'Delivered', 40, 135 ),
  24
         (1012, '2020-01-02', 'In Transit', 15, 1100 ),
  25
  26
         (1023, '2019-12-17', 'Shipped', 1, 14200 ),
         (1025, '2020-01-02', 'Processing', 9, 300 ),
  27
         (1027, '2019-12-19', 'In Transit', 11, 4100 ),
  28
         (1030, '2020-01-04', 'Out For Delivery', 30, 1770 ),
  29
         (1032, '2019-12-02', 'In Transit', 100, 2060 ),
  30
         (2004, '2019-11-10', 'Delivered', 80, 510 ),
  31
         (2010, '2019-10-22', 'Shipped', 35, 800 ),
  32
         (2203, '2019-12-19', 'Processing', 60, 1255 ),
  33
         (3107, '2020-01-07', 'In Transit', 55, 1515 );
  34
38 •
       INSERT INTO Customer VALUES
       (1001, 23, 'Ross Geller', '5 Morton Street, New York'),
39
       (1023, 29, 'Monica Cox', '495 Grove Street, New York'),
40
       (1025, 32, 'Chandler Bing', '1050 Benton Street, California'),
41
       (1032, 44, 'Joey Tribbiani', '90 Bedford St. Apt. 19, New York'),
42
       (2004, 47, 'Rachel Green', 'Lighthouse Management and Media, Los Angeles'),
43
       (2010, 48, 'Phoebe Buffay', '8391 Beverly Blvd, California'),
44
       (2203, 59, 'Gunther', '1409 Cold Canyon Rd,, California'),
45
46
       (3107, 67, 'Mike Hannigan', '601 Buena Vista Avenue West, Georgia');
47
```

#### 4. SELECT STATEMENT



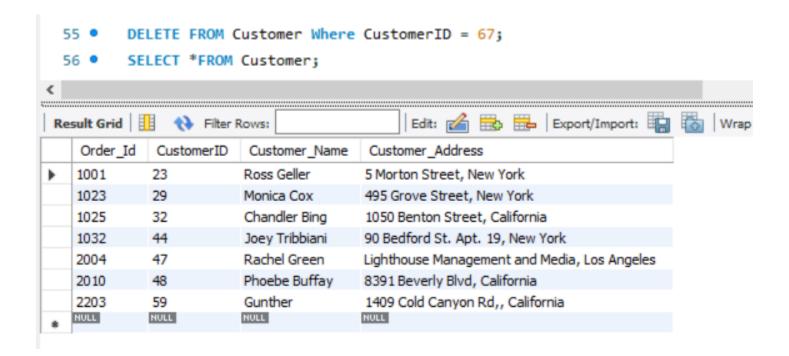
#### 5. UPDATE STATEMENT

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```
UPDATE Orders SET Order_Status = 'Out For Delivery'
 50 •
        WHERE Order Id = 3107;
 51
 52
        SELECT *FROM Orders WHERE Order Id = 3107;
 53 •
 54
                                         Edit: 🚄 📆 🕦 Export/Import: 🙀 🦝 Wra
Order_id
          Ordered Date
                             Order_Status
                                           Quantity_Ordered
                                                          PriceOfEach
           2020-01-07 00:00:00
                            Out For Delivery
  3107
                                           55
                                                          1515
                            NULL
                                          NULL
  NULL
           NULL
                                                          NULL
```

#### 6. DELETE STATEMENT

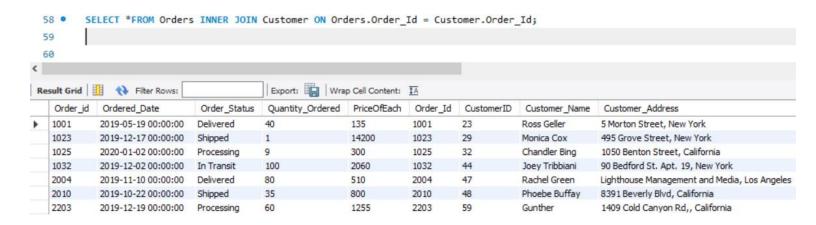
Student Id: 00001588464



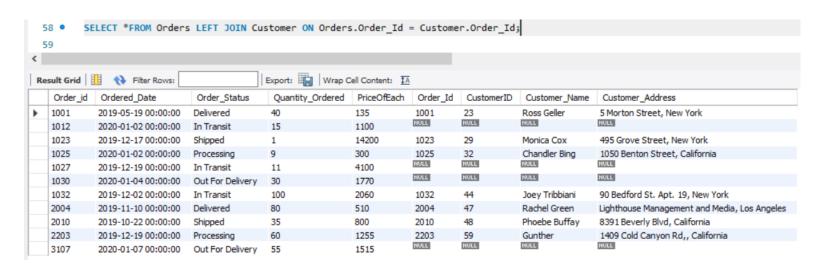
## 7. INNER JOIN STATEMENT

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#### 8. LEFT JOIN STATEMENT

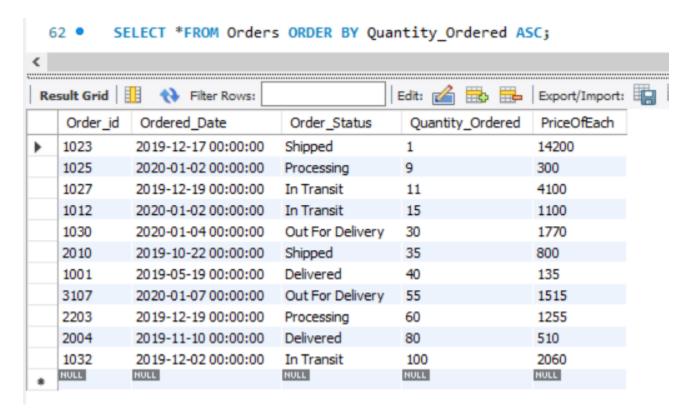


# 9. RIGHT JOIN STATEMENT

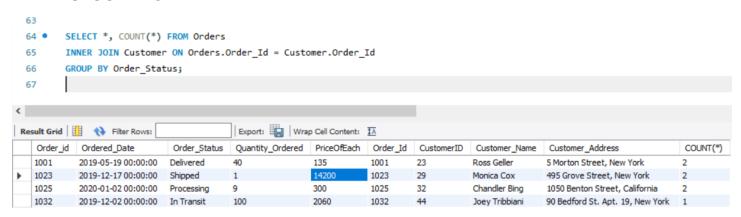
SELECT \*FROM Orders RIGHT JOIN Customer ON Orders.Order\_Id = Customer.Order\_Id; 58 **<** 59 Export: Wrap Cell Content: IA Order\_id Ordered\_Date Order\_Status Quantity\_Ordered PriceOfEach Order\_Id CustomerID Customer\_Name Customer\_Address 2019-05-19 00:00:00 Delivered 40 1001 23 Ross Geller 5 Morton Street, New York 2019-12-17 00:00:00 Shipped 1 1023 29 Monica Cox 495 Grove Street, New York 2020-01-02 00:00:00 Processing 1025 32 Chandler Bing 1050 Benton Street, California 2019-12-02 00:00:00 100 2060 1032 44 90 Bedford St. Apt. 19, New York 1032 Joev Tribbiani 2004 2019-11-10 00:00:00 80 510 2004 47 Rachel Green Lighthouse Management and Media, Los Angeles 2010 2019-10-22 00:00:00 35 800 2010 48 Phoebe Buffay 8391 Beverly Blvd, California 2203 2019-12-19 00:00:00 Processing 60 1255 2203 59 Gunther 1409 Cold Canyon Rd,, California

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## **10.ORDER BY STATEMENT**



#### 11. GROUP BY STATEMENT



# 12. AGGREGATE FUNCTIONS STATEMENT

MAX() MIN() COUNT() AVG() SUM()

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```
68 • SELECT MAX(PriceOFEach) FROM Orders;
69 • SELECT MIN(Quantity_Ordered) FROM Orders;
70 • SELECT COUNT(*) FROM Customer;
71 • SELECT AVG(PriceOfEach) As Average_Price FROM Orders;
72 • SELECT SUM(Quantity_Ordered) As TotalQuantity FROM Orders;
```

