Libin Varughese

Project #3

5/15/2021

CIS 3050

Section 06

Spring 2021

Deliverable #1: Table Creation

SUPPLIER_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 😕 🗶
        1 DINSERT INTO SUPPLIER_T (SupplierID, SupplierName, SupplierStreet, SupplierCity, SupplierState, SupplierZip)
        VALUES ('1', 'LA WHOLESALE INC.', '301 HWY 167 N', 'SUNSET', 'LA', '70584'),

('2', 'MEDLINE SUPPLY', '43155 W 9 MILE RD', 'DETROIT', 'MI', '48375'),

('3', 'GE INC.', '265 PIONEER BLVD', 'SPRINGBORO', 'OH', '45066'),

[('NULL', NULL, NULL, NULL, NULL);
100 % ▼ 4

    Messages

    (4 rows affected)
    Completion time: 2021-05-04T19:45:54.7000557-07:00
Query executed successfully.
                                                                                                                                                              DESKTOP-2GPLMI7 (15.
```

PRODUCT T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 📮 🗶
      1 DINSERT INTO PRODUCT_T (ProductID, ProductDescription, UnitPrice, StockQuantity)
          VALUES ('1000', 'Power Generator', '$50,000.00', '40'),
         ('2000', 'Small Sterilizer', '$85,000.00', '45'), ('3000', 'Large Sterilizer', '$120,000.00', '50'),
      3
          ('4000', 'Hospital Bed', '$70,000.00', '55'),
          ('5000', 'Security System', '$10,000.00', '60'),
          ('110', 'Power Inverter', '$5,000.00', '4'),
      7
          ('120', 'Diesel Engine', '$8,000.00', '2'),
      8
          ('130', 'Generator Assembly Kit', '$4,000.00', '2'),
          ('410', 'Bed Frame', '$3,000.00', '2'),
     10
          ('420', 'Electric Motor', '$50.00', '16'),
     11
          ('430', 'Control Panel', '$100.00', '4'),
     12
          ('440', 'Wheel', '$5.00', '16'),
     13
          ('510', 'Server', '$2,000.00', '2'),
     14
          ('520', 'Monitor' - HD', '$300.00', '8'),
     15
          ('530', 'Camera Nightvision - 4K', '$500.00', '40'),
     16
          ('540', 'Camera Cable (in Feet)', '$1.00', '600');
     17
     18
100 % ▼
Messages
   (16 rows affected)
   Completion time: 2021-05-04T19:47:07.1154660-07:00
Query executed successfully.
```

PRODUCT_SUPPLIER_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (69))* + X
       ■ INSERT INTO PRODUCT_SUPPLIER_T (ProductID, SupplierID, VendorPartID, ProductCost, PurchasedQuantity)
           VALUES ('1000', '3', 'PWR01', '$25,000.00', '10'),
           ('2000', '1', 'ST001', '$50,000.00', '30'),
       3
           ('3000', '1', 'ST002', '$70,000.00', '10'),
           ('4000', '2', 'BD01', '$40,000.00', '20'),
           ('5000', 'NULL', NULL, NULL, NULL),
           ('110', 'NULL', NULL, NULL, NULL),
      7
           ('120', 'NULL', NULL, NULL, NULL),
      8
           ('130', 'NULL', NULL, NULL, NULL),
      9
          ('410', 'NULL', NULL, NULL, NULL),
     10
          ('420', 'NULL', NULL, NULL, NULL),
     11
          ('430', 'NULL', NULL, NULL, NULL),
     12
          ('440', 'NULL', NULL, NULL, NULL),
     13
          ('510', 'NULL', NULL, NULL, NULL),
     14
          ('520', 'NULL', NULL, NULL, NULL), ('530', 'NULL', NULL, NULL, NULL),
     15
     16
           ('540', 'NULL', NULL, NULL, NULL);
     17
     18
100 % ▼ ◀

    Messages

   (16 rows affected)
   Completion time: 2021-05-13T01:10:44.3738849-07:00

    Query executed successfully.

                                                                                                                 DESKTOP
```

FABRICATED_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 😐 🗶
      1 ☐ INSERT INTO FABRICATED T (ProductID, PartID, PartQuantity)
          VALUES ('1000', '110', '2'),
         ('1000', '120', '1'),
      3
         ('1000', '130', '1'),
         ('4000', '410', '1'),
      5
         ('4000', '420', '8'),
         ('4000', '430', '2'),
      7
         ('4000', '440', '8'),
      8
         ('5000', '510', '1'),
         ('5000', '520', '4'),
     10
         ('5000', '530', '20'),
     11
          ('5000', '540', '500');
     12
     13
100 % ▼ ◀
(11 rows affected)
   Completion time: 2021-05-04T19:49:56.6697809-07:00
100 % ▼ 4

✓ Query executed successfully.
```

COURSE_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* + X
      1 ☐ INSERT INTO COURSE T (CourseID, CourseDescription)
          VALUES ('100', 'Integrity Selling'),
      3
          ('200', 'Hospital Infrastructure Introduction'),
          ('201', 'Hospital Infrastructure Advanced'),
      4
          ('202', 'Sterilization Product Training'),
          ('203', 'Power Systems Training'),
         ('101', 'Coaching & Developing a Team');
      7
100 % ▼ <
Messages
   (6 rows affected)
   Completion time: 2021-05-04T19:51:17.3648640-07:00
100 % ▼ ◀
Query executed successfully.
```

EMPLOYEE_T

```
SOLOury Isol - DE_ZOPIMITAIDON (54))* a X

| 1 | INSERT MINO BELOTES, (Employeed), EmployeeFirstName, EmployeeLatthame, EmployeeState, Employ
```

SALES_REPRESENTATIVE_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* + X
      1 ☐ INSERT INTO SALES_REPRESENTATIVE_T (EmployeeID, CommissionRate)
           VALUES ('1', '15%'),
          ('3', '20%'),
       3
          ('4', '17%'),
('5', '11%'),
       5
          ('6', '8%'),
('7', '10%'),
          ('9', '10%'),
      9 ('10', '15%');
     10
100 % ▼ ◀
Messages
   (8 rows affected)
   Completion time: 2021-05-04T19:54:27.5693031-07:00
100 % ▼ ◀

✓ Query executed successfully.
```

EMPLOYEE_COURSE_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 😐 🗶
        1 ☐INSERT INTO EMPLOYEE_COURSE_T (EmployeeID, CourseID, CompletionDate)
            VALUES ('1', '100', '2/8/2016'), ('1', '200', '5/18/2016'),
            ('1', '201', '5/19/2016'),
            ('1', '202', '5/20/2016'),
            ('1', '203', '5/21/2016'),
             ('2', '101', '2/9/2012'),
            ('3', '100', '4/22/2011'),
('3', '200', '7/31/2011'),
('3', '201', '8/1/2011'),
('3', '202', '8/2/2011'),
       8
       9
      10
      11
             ('3', '203', '8/3/2011'),
      12
            ('4', '100', '4/13/2018'),
      13
             ('4', '200', '7/22/2018'),
             ('4', '201', '7/23/2018'),
      15
            ('4', '202', '7/24/2018'),
('4', '203', '7/25/2018'),
('5', '100', '6/9/2017'),
      16
      17
             ('5', '200', '9/17/2017'),
      19
            ('5', '201', '9/18/2017'),
      20
            ('5', '202', '9/19/2017'),
      21
            ('5', '203', '9/20/2017'),
            ('6', '100', '6/12/2014'),
      23
            ('6', '200', '9/20/2014'),
('6', '201', '9/21/2014'),
('6', '202', '9/22/2014'),
      24
      25
             ('6', '203', '9/23/2014'),
      27
            ('7', '100', '4/30/2016'),
      28
      29
            ('7', '200', '8/8/2016'),
            ('7', '201', '8/9/2016'),
             ('7', '202', '8/10/2016'),
      31
            ('7', '203', '8/11/2016'),
('8', '101', '4/23/2011'),
('9', '100', '6/15/2013'),
      32
      33
            ('9', '200', '9/23/2013'),
      35
            ('9', '201', '9/24/2013'),
      36
      37
            ('9', '202', '9/25/2013'),
            ('9', '203', '9/26/2013'),
            ('10', '100', '11/13/2016'),
      39
            ('10', '200', '2/21/2017'),
('10', '201', '2/22/2017'),
('10', '202', '2/23/2017'),
('10', '203', '2/24/2017'),
      40
      41
      42
      43
            ('11', '101', '4/2/2018');
      44
      45
70 %
Messages
    (43 rows affected)
    Completion time: 2021-05-04T19:56:10.7712714-07:00
 70 %
Query executed successfully.
```

CUSTOMER T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 😕 🗶
                   1 INSERT INTO CUSTOMER_T (CustomerID, CustomerName, CustomerStreet, CustomerCity, CustomerState, CustomerZip, CreditLimit, SalesRepID)
                              VALUES ('1', 'CEDARS-SINAI MEDICAL CENTER', '8700 BEVERLY BLVD RM A 845', 'LOS ANGELES', 'CA', '90048', '$100,000.00', '4'), ('2', 'VENICE BEACH SURGICAL CENTER', '11961 VENICE BLVD', 'LOS ANGELES', 'CA', '90230', '$100,000.00', '5'),
                              ('3', 'R AND R SURGICAL INSTITUTE', '21250 HAWTHORNE BLVD STE 430', 'TORRANCE', 'CA', '90503', '$35,000.00', '7'),

('4', 'OUTPATIENT SURGERY CENTER OF BEVERLY HILLS', '433 N CAMDEN DR STE 1170', 'BEVERLY HILLS', 'CA', '90210', '$35,000.00', '3'),

('5', 'CENTER FOR AMBULANCE SURGERY TREATMENT', '1090 GLENDON AVE', 'LOS ANGELES', 'CA', '90024', '$400,000.00', '4'),

('6', 'GARDENS REGIONAL HOSPITAL AND MEDICAL CENTER', '21530 PIONEER BLVD', 'HAWAIIAN GARDENS', 'CA', '90716', '$100,000.00', NULL),
                            ('6', 'GARDENS REGIONAL HOSPITAL AND MEDICAL CENTER', '21530 PIONEER BLVD', 'HAWAIIAN GARDENS', 'CA', '90716', '$100,000.00', NL ('7', 'KAISER BELLFLOWER MEDICAL CENTER', '9400 ROSECRANS AVE', 'BELLFLOWER', 'CA', '90706', '$100,000.00', NULL), ('8', 'CENTINELA HOSPITAL MEDICAL CENTER', '931 S FLOWER ST', 'INGLEWOOD', 'CA', '90301', '$100,000.00', 'S'), ('9', 'RANCHO LOS AMIGOS MEDICAL CENTER', '7601 IMPERIAL HWY', 'DOWNEY', 'CA', '90242', '$100,000.00', '6'), ('10', 'MARTIN LUTHER KING JUNIOR COMMUNITY HOSPITAL', '1680 E 120TH ST', 'LOS ANGELES', 'CA', '90059', '$100,000.00', NULL), ('11', 'YOUNIQUE SURGERY CENTER AND MEDICAL SPA', '1551 OCEAN AVE STE 200', 'SANTA MONICA', 'CA', '90401', '$100,000.00', '1'), ('12', 'PROVIDENCE MEDICAL CENTER SAN PEDRO', '1300 W 7TH ST', 'SAN PEDRO', 'CA', '90732', '$100,000.00', '3'), ('13', 'USC CARE', '1510 SAN PABLO ST', 'LOS ANGELES', 'CA', '90033', '$100,000.00', NULL), ('14', 'COAST SURGERY CENTER OF SOUTHBAY', '3445 PACIFIC COAST HWY STE 110', 'TORRANCE', 'CA', '90505', '$100,000.00', NULL), ('15', 'KAISER-PERMANENTE', '25825 VERMONT AVE', 'HARBOR CITY', 'CA', '90710', '$400,000.00', '7'), ('16', 'COMMUNITY HOSPITAL HUNTINGTON', '2623 E SLAUSON AVE', 'HUNTINGTON PARK', 'CA', '90255', '$100,000.00', NULL).
                  8
                11
                12
                14
               15
                16
                17
                             ('17', 'CALIFORNIA HOSPITAL AND MEDICAL CENTER', '1401 S GRAND AVE', 'LOS ANGELES', 'CA', '90015', '$100,000.00', NULL), ('18', 'SAINT MICHAEL SURGERY CENTER', '701 E 28TH ST STE 300', 'LONG BEACH', 'CA', '90806', '$100,000.00', NULL), ('19', 'WHITE MEMORIAL MEDICAL CENTER', '1723 MICHIGAN AVE', 'LOS ANGELES', 'CA', '90033', '$100,000.00', NULL), ('20', 'BEDFORD SURGICAL CENTER', '436 N BEDFORD DR STE 218', 'BEVERLY HILLS', 'CA', '90210', '$100,000.00', '3');
                18
                19
                21
               22
100 %
Messages
          (20 rows affected)
          Completion time: 2021-05-04T19:58:35.5627489-07:00
Query executed successfully
                                                                                                                                                                                                                                                                                                                                               DESKTOP-2GPLMI7 (15.0 RTM) DESKTOP-2GPLMI7\libin
```

ORDER T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* 📮 🗶
        □ INSERT INTO ORDER_T (OrderID, CustomerID, CustomerPONumber, OrderDate, DueDate, ShipDate)
             VALUES ('1001', '1', '189931', '10/18/2018 12:00:00 AM', '10/25/2018 12:00:00 AM', '10/25/2018 12:00:00 AM'),
             ('1010', '1', '498998', '11/5/2018 \ 12:00:00 \ AM', '11/13/2018 \ 12:00:00 \ AM', '11/15/2018 \ 12:00:00 \ AM'),
        3
            ('1006', '2', '111825', '10/24/2018 12:00:00 AM', '11/1/2018 12:00:00 AM', '11/3/2018 12:00:00 AM'),
             ('1005', '3', '576209', '10/24/2018 12:00:00 AM', '11/1/2018 12:00:00 AM', '11/1/2018 12:00:00 AM'),
             ('1009', '4', '431627', '11/5/2018 12:00:00 AM', '11/13/2018 12:00:00 AM', '11/13/2018 12:00:00 AM'),
             ('1004', '5', '100420', '10/22/2018 12:00:00 AM', '10/30/2018 12:00:00 AM', '10/30/2018 12:00:00 AM'),
            ('1002', '8', '515090', '10/18/2018 12:00:00 AM', '10/26/2018 12:00:00 AM', '10/26/2018 12:00:00 AM'), ('1012', '9', '937052', '12/4/2018 12:00:00 AM', '12/12/2018 12:00:00 AM', '12/12/2018 12:00:00 AM'), ('1007', '11', '164241', '10/27/2018 12:00:00 AM', '11/4/2018 12:00:00 AM', '11/4/2018 12:00:00 AM'), ('1008', '12', '197871', '10/30/2018 12:00:00 AM', '11/7/2018 12:00:00 AM'), ('1003', '14', '123489', '10/22/2018 12:00:00 AM', '10/30/2018 12:00:00 AM', '10/30/2018 12:00:00 AM'),
        8
      11
      12
            ('1011', '20', '202632', '11/15/2018 12:00:00 AM', '11/23/2018 12:00:00 AM', '11/23/2018 12:00:00 AM');
      13
      14
100 % ▼ 4

    Messages

    (12 rows affected)
    Completion time: 2021-05-04T19:59:50.5554659-07:00
100 % ▼ ◀
Query executed successfully.
                                                                                                                                         DESKTOP-2GPLMI7 (15.0 RTM)
```

ORDER_LINE_T

```
SQLQuery1.sql - DE...2GPLMI7\libin (54))* + X
       1 ☐ INSERT INTO ORDER_LINE_T (OrderID, ProductID, OrderQuantity)
           VALUES ('1001', '3000', '1'),
           ('1010', '5000', '1'),
       3
           ('1006', '4000', '3'),
       4
           ('1005', '4000', '5'),
       5
           ('1009', '2000', '2'),
       6
           ('1004', '3000', '4'),
       7
           ('1002', '2000', '3'),
       8
           ('1012', '1000', '2'),
       9
           ('1007', '5000', '1'),
     10
          ('1008', '2000', '2'),
('1003', '2000', '1'),
('1011', '3000', '1');
     11
     12
     13
     14
100 % ▼ ◀

    Messages

   (12 rows affected)
```

Completion time: 2021-05-04T20:00:57.2272488-07:00

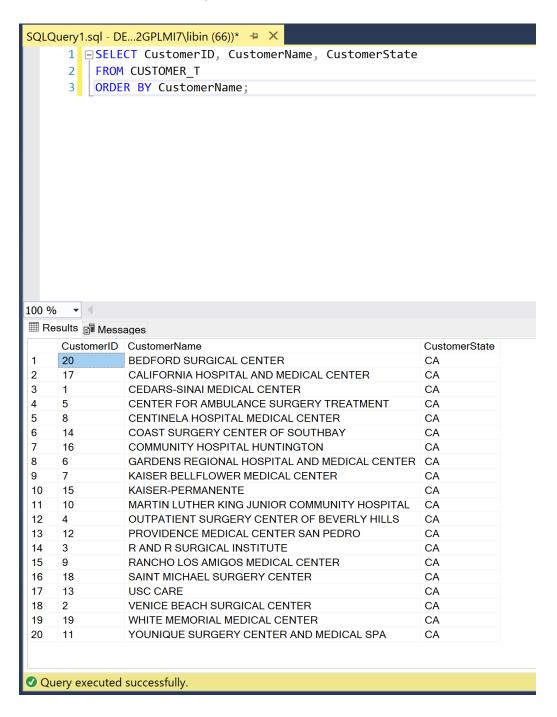
```
100 % ▼ ◀

② Query executed successfully.
```

Deliverable #2: SQL Statements

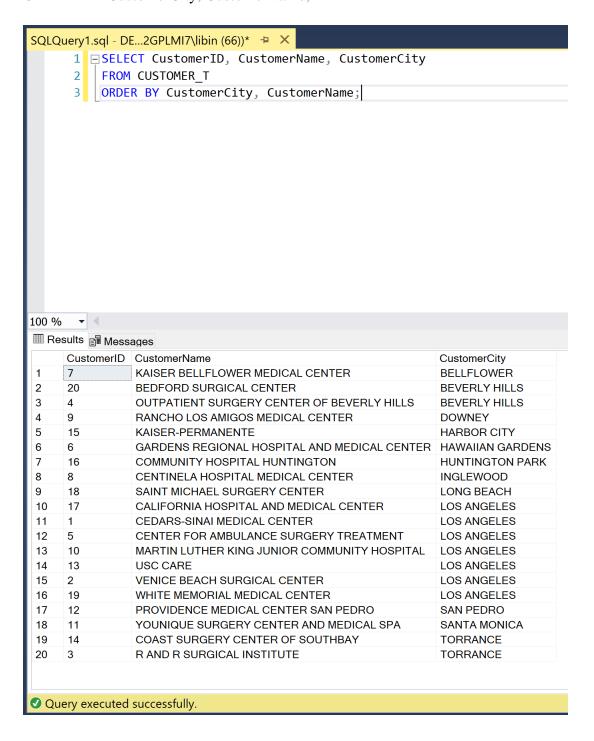
A.) Provide a list of all the Customer ID, Customer Names, and City, and sort the list in alphabetical order by Customer Name.

SELECT CustomerID, CustomerName, CustomerState FROM CUSTOMER_T ORDER BY CustomerName;



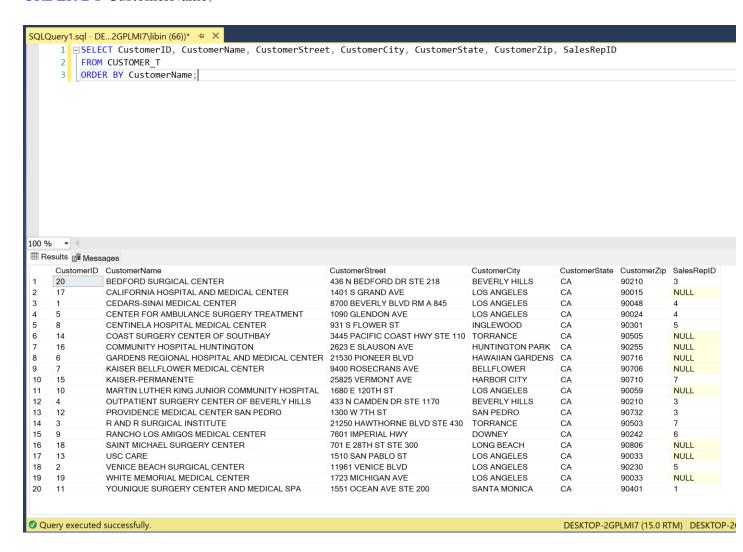
B.) Provide a list of all of the Customer ID, Customer Names, and City, and sort the list by city with the Customer Names in alphabetical order within each city.

SELECT CustomerID, CustomerName, CustomerCity FROM CUSTOMER_T ORDER BY CustomerCity, CustomerName;



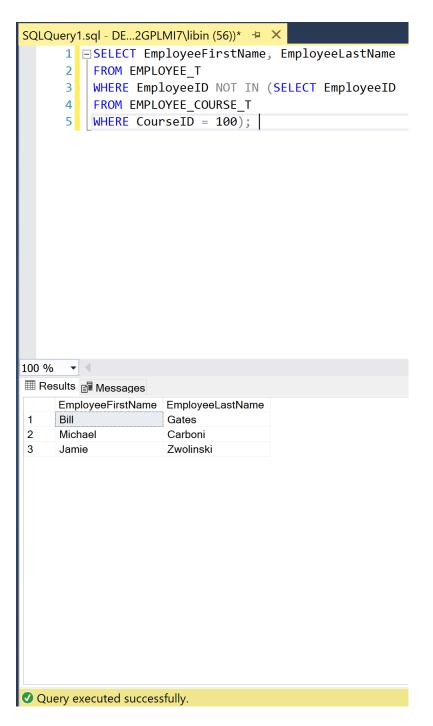
C.) List the customers showing the Customer ID, Customer Name, address, and sales rep name in alphabetical order by customer name.

SELECT CustomerID, CustomerName, CustomerStreet, CustomerCity, CustomerState, CustomerZip, SalesRepID
FROM CUSTOMER_T
ORDER BY CustomerName;



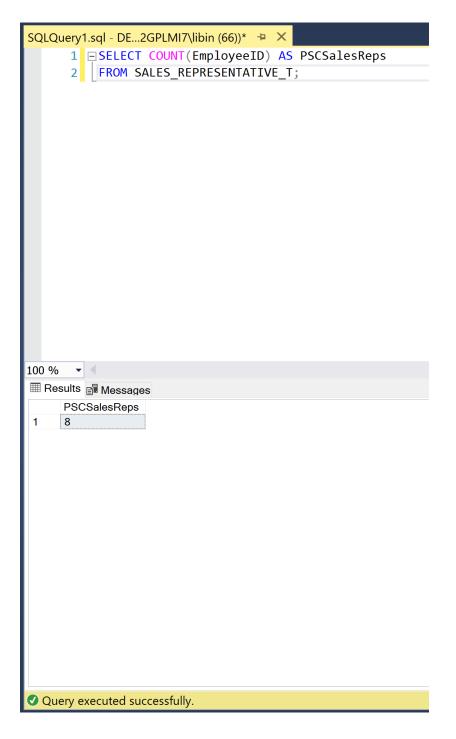
D.) Which employees have not completed course ID = 100?

```
SELECT EmployeeFirstName, EmployeeLastName FROM EMPLOYEE_T WHERE EmployeeID NOT IN (SELECT EmployeeID FROM EMPLOYEE_COURSE_T WHERE CourseID = 100);
```



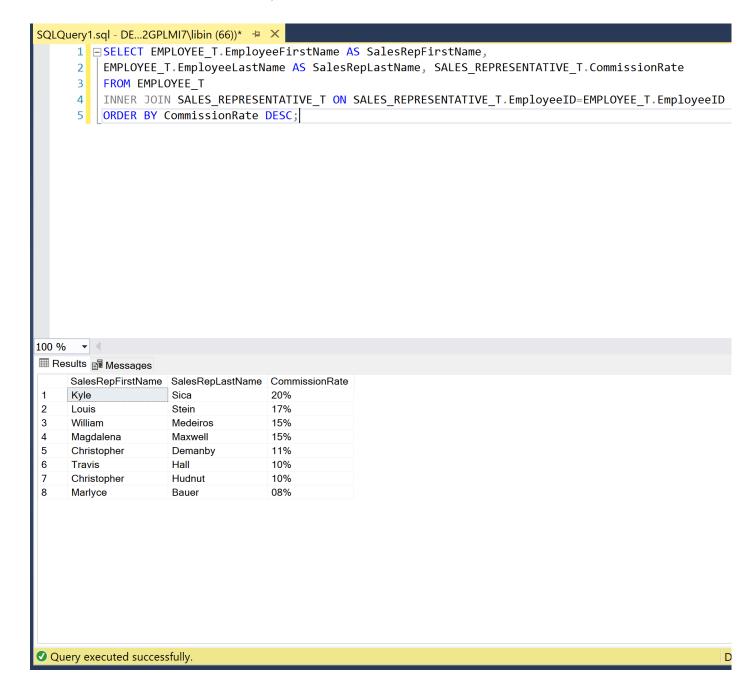
E.) How many sales reps does PSC have?

SELECT COUNT(EmployeeID) AS PSCSalesReps FROM SALES_REPRESENTATIVE_T;



F.) List all of the sales reps sorted by largest commission rate first.

SELECT EMPLOYEE_T.EmployeeFirstName AS SalesRepFirstName, EMPLOYEE_T.EmployeeLastName AS SalesRepLastName, SALES_REPRESENTATIVE_T.CommissionRate FROM EMPLOYEE_T INNER JOIN SALES_REPRESENTATIVE_T ON SALES_REPRESENTATIVE_T.EmployeeID=EMPLOYEE_T.EmployeeID ORDER BY CommissionRate DESC;

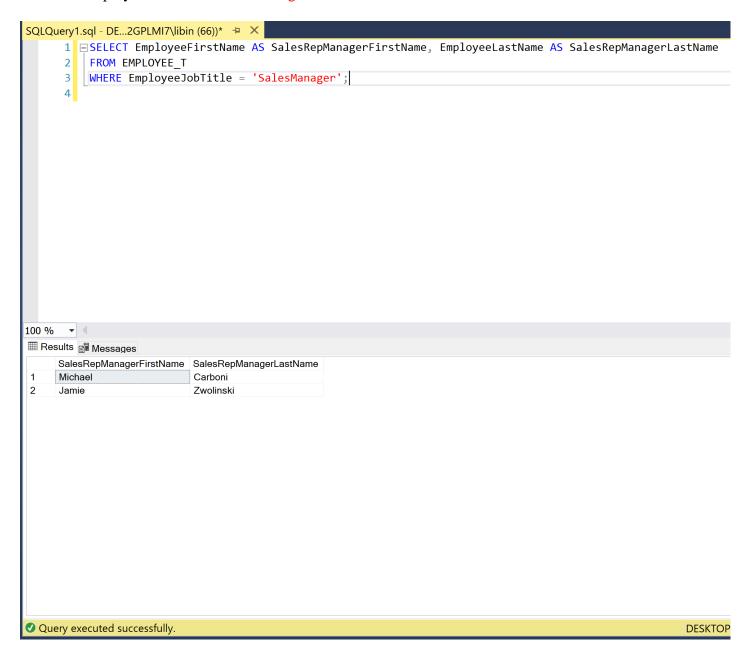


G.) Who are the manager(s) of the sales reps?

SELECT EmployeeFirstName AS SalesRepManagerFirstName, EmployeeLastName AS SalesRepManagerLastName

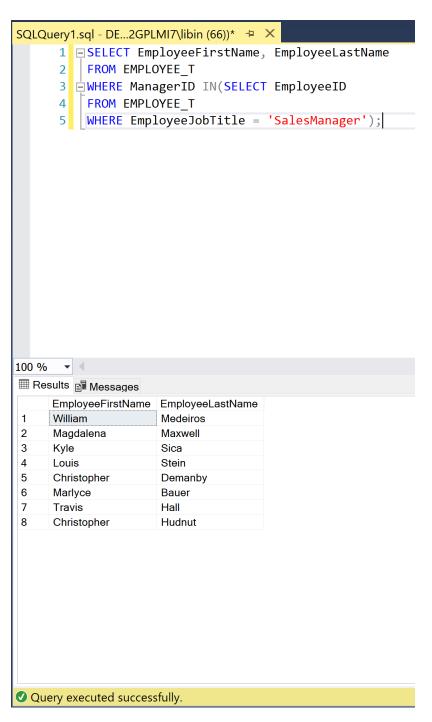
FROM EMPLOYEE_T

WHERE EmployeeJobTitle = 'SalesManager';



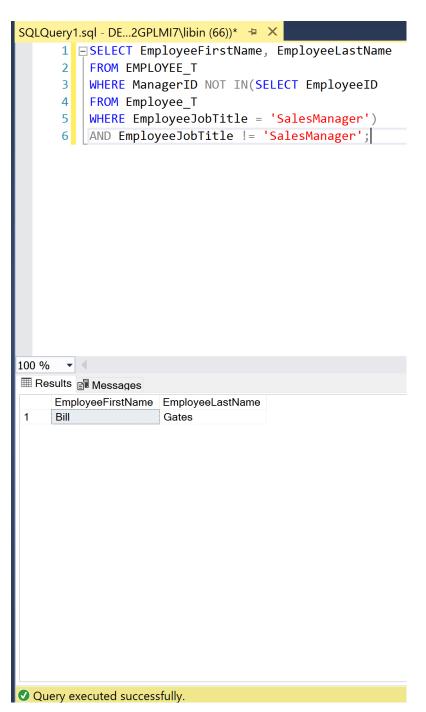
H.) List the employees names who report to a Sales Manager.

```
SELECT EmployeeFirstName, EmployeeLastName FROM EMPLOYEE_T WHERE ManagerID IN(SELECT EmployeeID FROM EMPLOYEE_T WHERE EmployeeJobTitle = 'SalesManager');
```



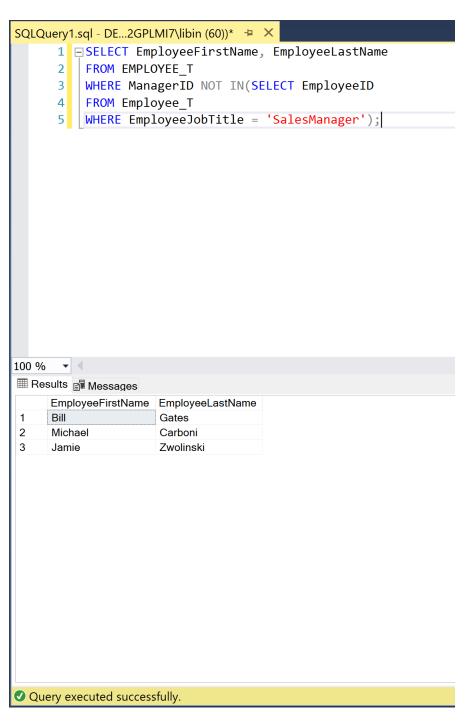
I.) Who is the manager of the manager of the sales reps?

```
SELECT EmployeeFirstName, EmployeeLastName FROM EMPLOYEE_T
WHERE ManagerID NOT IN(SELECT EmployeeID FROM EMPLOYEE_T
WHERE EmployeeJobTitle = 'SalesManager')
AND EmployeeJobTitle != 'SalesManager';
```



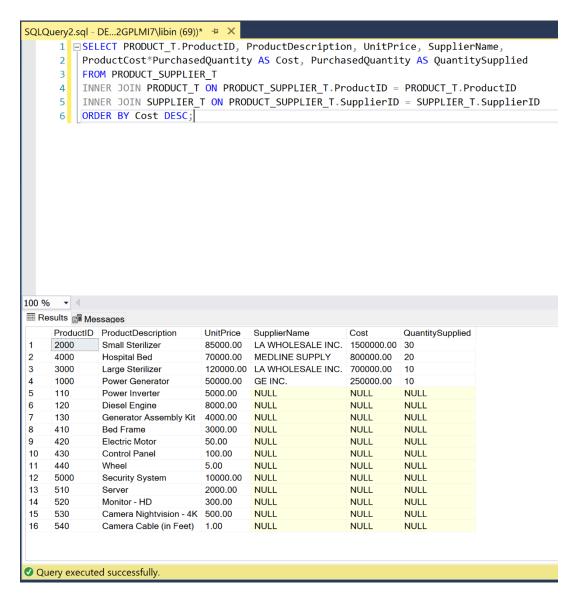
J.) List the employee names of those that report directly to the manager of the sales manager(s).

```
SELECT EmployeeFirstName, EmployeeLastName FROM EMPLOYEE_T WHERE ManagerID NOT IN(SELECT EmployeeID FROM Employee_T WHERE EmployeeJobTitle = 'SalesManager');
```



K.) Provide an inventory report that lists the most costly items first. The inventory report should include product identification numbers, product descriptions, unit prices, supplier names, cost, and quantity supplied.

SELECT PRODUCT_T.ProductID, ProductDescription, UnitPrice, SupplierName, ProductCost*PurchasedQuantity AS Cost, PurchasedQuantity AS QuantitySupplied FROM PRODUCT_SUPPLIER_T INNER JOIN PRODUCT_T ON PRODUCT_SUPPLIER_T.ProductID = PRODUCT_T.ProductID INNER JOIN SUPPLIER_T ON PRODUCT_SUPPLIER_T.SupplierID = SUPPLIER_T.SupplierID ORDER BY Cost DESC;



L.) List all of the employees in alphabetical order and each course they have completed in order of date completed.

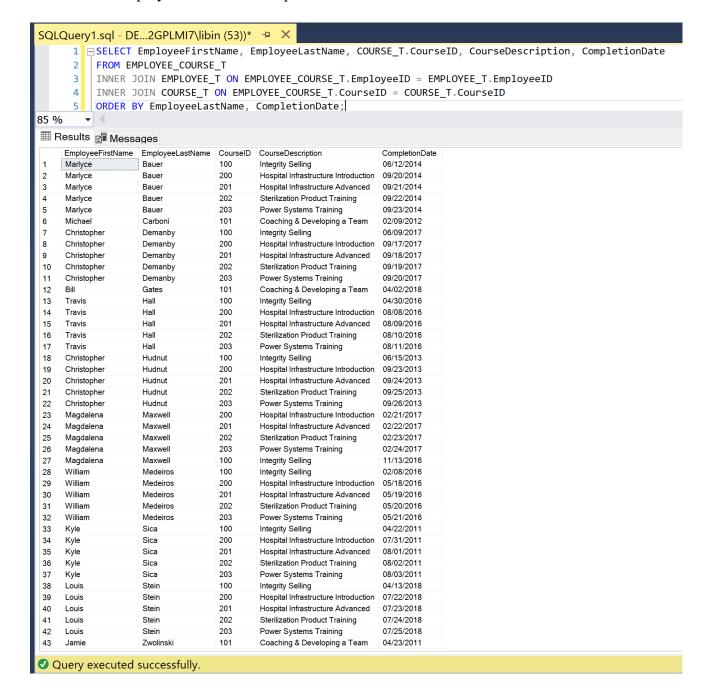
 $\begin{tabular}{ll} SELECT\ EmployeeFirstName,\ EmployeeLastName,\ COURSE_T. CourseID,\ CourseDescription,\ CompletionDate \end{tabular}$

FROM EMPLOYEE COURSE T

INNER JOIN EMPLOYEE_T ON EMPLOYEE_COURSE_T.EmployeeID =

EMPLOYEE T.EmployeeID

INNER JOIN COURSE_T ON EMPLOYEE_COURSE_T.CourseID = COURSE_T.CourseID ORDER BY EmployeeLastName, CompletionDate;



Statement of Academic Integrity

CLASS POLICY ON ACADEMIC INTEGRITY As business professionals we have an ethical duty to uphold the reputation of the businesses we work for by following the company's standards of personal integrity and trustworthiness. As business students we have an ethical duty to uphold the integrity of our coursework and the honorable reputation of our school by following the guiding principles of our school policies, including University Policy on Academic Dishonesty.

☐ Create and produce our own work;
☐ Treat teammates with respect;
☐ Give our utmost in performance; and
☐ Use legitimate information sources.
Learning and following these guiding principles will have a positive and lasting impact on your future as a business professional. By violating class policy and acting dishonorably, students demonstrate their lack of readiness to enter into CIS professions. Students choosing to violate University Policy on Academic Dishonesty will face the consequences as described in that policy.
I, <u>Libin Varughese</u> , hereby affirm that I have not received any outside help on this project and

Signed: Libin Varughese

As CIS 3050 business students we must pledge to:

that the work presented here is solely my own.