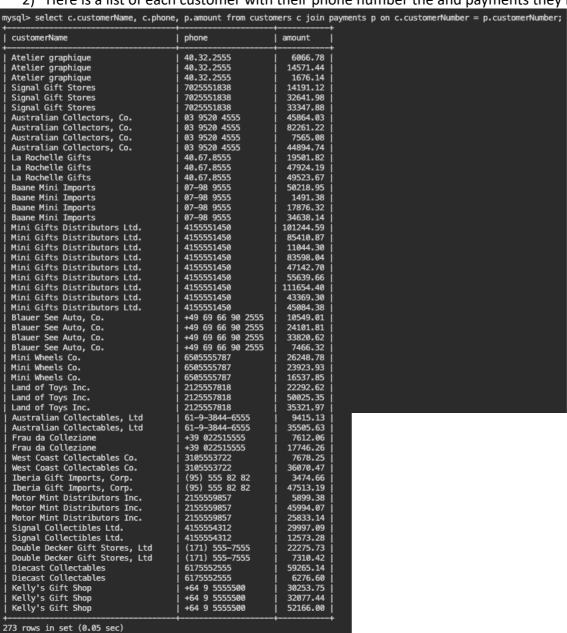
## Hello Lawrence:

Thanks for reaching out. I am always here to help you anderstand the classic model store. The answer for each question is attached below. Please note that, there are two places that have ambiguity, I will mention them in the text. Please do not hesitate to reach out to me if you have any question, concern, or comment.

1) The average customer's credit limit is 67659.02.

2) Here is a list of each customer with their phone number the and payments they have made



3) This customer paid \$69214.33 in total which is a lot.

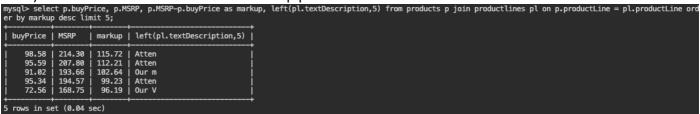
4) The average payment for customer who are in the New York is \$31466.38. The average payment for customer who are not in the New York is \$32337.31 (there is an ambuguity that whether we should consider state value of NULL as not in the New York; I assume that we should not consider them as not in the New York)

5) For orders that have shipped, the average spent per item is \$91.03

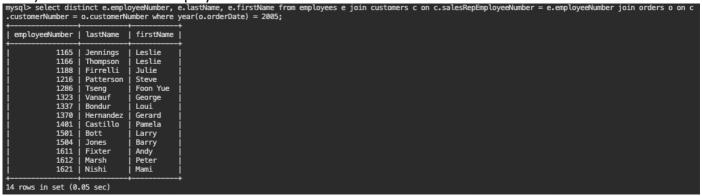
6) Here is a list of all employees and their managers. There are 23 people work at the company, you are right! Someone may not have manager because she is on the highest place.

| employeeNumber   e | employeeFirstName | employeeLastName | managerFirstName | managerLastName |
|--------------------|-------------------|------------------|------------------|-----------------|
| 1002   D           | iane              | Murphy           | NULL             | NULL            |
| 1056   M           | lary j            | Patterson        | Diane            | Murphy          |
| 1076   J           | leff              | Firrelli         | Diane            | Murphy          |
| 1088   W           | /illiam           | Patterson        | Mary             | Patterson       |
| 1102   G           | Gerard            | Bondur           | Mary             | Patterson       |
| 1143   A           | Inthony           | Bow              | Mary             | Patterson       |
| 1165   L           | eslie             | Jennings         | Anthony          | Bow             |
| 1166   L           | eslie             | Thompson         | Anthony          | Bow             |
| 1188   J           | ulie              | Firrelli         | Anthony          | Bow             |
| 1216   S           | iteve             | Patterson        | Anthony          | Bow             |
| 1286   F           | oon Yue           | Tseng            | Anthony          | Bow             |
| 1323   G           | George            | Vanauf           | Anthony          | Bow             |
| 1337   L           | .oui              | Bondur           | Gerard           | Bondur          |
| 1370   G           | Gerard            | Hernandez        | Gerard           | Bondur          |
| 1401   P           | amela             | Castillo         | Gerard           | Bondur          |
| 1501   L           | arry              | Bott             | Gerard           | Bondur          |
| 1504   B           | Barry             | Jones            | Gerard           | Bondur          |
| 1611   A           | indy              | Fixter           | William          | Patterson       |
| 1612   P           | eter              | Marsh            | William          | Patterson       |
| 1619   T           | om                | King             | William          | Patterson       |
| 1621   M           | lami              | Nishi            | Mary             | Patterson       |
|                    | oshimi            | Kato             | Mami             | Nishi           |
| 1702   M           | lartin            | Gerard           | Gerard           | Bondur          |

7) Here is the list of five most marked up products:



8) Here is the list of employees that had an order in 2005.



9) There might be a typo. I assume you meant the total number of all orders with... The total number of all orders in the specific postal codes is 28.

For the first join question, I think we should use inner join because we want to match the condition between both two tables, and inner join can help us to show the matched part.

For the second join question, I think we should use right join because you mentioned that you want all records on the right table and matching records from the left table. Right join can help us include all rows from the right table with matching rows from the left table.

Hope that clarified! The attached screenshots are my documentation. Again, please let me know if you have any question.

Best, Jae

| databases | classicmodels   |           | Field Name             | Data Type  | Value   | notes    |
|-----------|-----------------|-----------|------------------------|------------|---|----------|
| table     | customers       |           | customerNumber         | int        | customer number xxx                                 | primary  |
|           |                 |           | customerName           | varchar    | specific company name                               |          |
|           |                 |           | contactLastName        | varchar    | person's last name                                  |          |
|           |                 |           | contactFirstName       | varchar    | person's first name                                 |          |
|           |                 |           | phone                  | varchar    | different format (eg: 40.32.2555, (91) 555 94 44    |          |
|           |                 |           | addressLine1           | varchar    | address line 1                                      |          |
|           |                 |           | addressLine2           | varchar    | address line 2                                      |          |
|           |                 |           | city                   | varchar    | City name   |          |
|           |                 |           | state                  | varchar    | not uniform: NULL, Victoria, or Abbreviation(MI)    |          |
|           |                 |           | postalCode             | varchar    | not uniform: H1J 1C3, 70267, 069045                 |          |
|           |                 |           | country                | varchar    | some abbreviation, some full name                   |          |
|           |                 | 1         | salesRepEmployeeNumber | int        | 4-digits, some are NULL                             | multiple |
|           |                 |           | credictLimit           | decimal    | number with 2 decimals                              | a.c.p.   |
|           |                 |           | Credictelline          | accimai    | mamber with 2 decimals                              |          |
| latabases | classicmodels   | / /       | Field Name             | Data Type  | Value   | notes    |
| able      | employees       | -         | employeeNumber         | int        | four digit id number                                | primary  |
| table     | employees       |           | lastName               |            | · ·   | primary  |
|           |                 | /         |                        | varchar    | employee's last name                                |          |
|           |                 |           | firstName              | varchar    | employee's first name                               |          |
|           |                 | <b>/</b>  | extension              | varchar    | starts with x (x5800)                               |          |
|           |                 |           | email                  | varchar    | xxx@classicmodelcars.com                            |          |
|           |                 | 4         | officeCode             | varchar    | 1 to 7  | multiple |
|           |                 |           | reportsTo              | int        | four digit id number                                | multiple |
|           |                 |           | jobTitle               | varchar    | specific job title                                  |          |
|           |                 |           |                        | İ          |   |          |
| databases | classicmodels   |           | Field Name             | Data Type  | Value   | notes    |
| able      | offices         |           | officeCode             | varchar    | 1 to 7, unique                                      | primary  |
| Laure     | Candes          | +         | city                   | varchar    | specific city name( eg: NY)                         | Printary |
|           |                 | _         | phone                  | varchar    | with extension +1 xxx, +81 xxx                      |          |
|           |                 | _         |                        |            | ·   |          |
|           |                 |           | addressLine1           | varchar    | address line 1                                      |          |
|           |                 |           | addressLine2           | varchar    | address line 2                                      |          |
|           |                 |           | state                  | varchar    | not uniform: NULL, Victoria, or Abbreviation(MI)    |          |
|           |                 |           | country                | varchar    | some abbreviation, some full name                   |          |
|           |                 |           | postalCode             | varchar    | not uniform: H1J 1C3, 70267, 069045                 |          |
|           |                 |           | territory              | varchar    | greater: some NA, EMEA, Japan, APAC                 |          |
|           |                 |           |                        |            |   |          |
| databases | classicmodels   |           | Field Name             | Data Type  | Value   | notes    |
| table     | orderdetails    | \ _       | orderNumber            | int        | 5-digit code number, repetitive                     | primary  |
|           |                 |           | productCode            | varchar    | starts with S(S24_3191)                             | primary  |
|           |                 |           | quantityOrdered        | int        | specific quantity number                            |          |
|           |                 | Y         | priceEach              | decimal    | two decimal price number                            |          |
|           |                 | $\Lambda$ | orderLineNumber        | int        | line number   |          |
|           |                 | # \ \     | Oraci Emeramber        |            |   |          |
|           |                 | $\wedge$  |                        |            |   |          |
| latabases | classicmodels   |           | Field Name             | Data Type  | Value   | notes    |
| table     | orders          |           | orderNumber            | int        | 5-digit code number, repetitive                     | primary  |
|           |                 |           | orderDate              | date       | xxxx-xx-xx  |          |
|           |                 |           | requiredDate           | date       | xxxx-xx-xx  |          |
|           |                 |           | shippedDate            | date       | xxxx-xx, some are NULL                              |          |
|           |                 |           | status                 | varchar    | Shipped, On Hold, In Process, Resolved              |          |
|           |                 | 1         | comments               | text       | comment sentence, some are NULL                     |          |
|           |                 | 1         | customerNumber         | int        | customer number xxx                                 | multiple |
|           |                 | 1 /       | customer Number        | t          | Customer number XXX                                 | marcipie |
| lataba    | alandain - d-la | 1 /       | Field Name             | Data T     | Value   |          |
| latabases | classicmodels   | 1 (       | Field Name             | Data Type  | Value   | notes    |
| table     | payments        | 1         | customerNumber         | int        | customer number xxx                                 | primary  |
|           |                 | 1         | checkNumber            | varchar    | starts with letter: EF485824                        | primary  |
|           |                 |           | paymentDate            | date       | xxx-xx-xx   |          |
|           |                 |           | amount                 | decimal    | two decimal numbers                                 |          |
|           |                 |           |                        |            |   |          |
| latabases | classicmodels   |           | Field Name             | Data Type  | Value   | notes    |
| table     | productlines    |           | productLine            | varchar    | big names: Classic Cars, Planes, Trains, Trucks and | primary  |
|           |                 |           | textDescription        | varchar    | description   |          |
|           |                 | X         | htmlDescription        | mediumtext |   |          |
|           |                 |           | image                  | mediumblob |   |          |
|           |                 | 1/ /      | -0-                    |            |   |          |
| atabases  | classicmodels   | 1         | Field Name             | Data Type  | Value   | notes    |
|           | -               | 1 1       |                        |            |   |          |
| table     | products        | -         | productCode            | varchar    | starts with S(S24_3191)                             | primary  |
|           |                 |           | productName            | varchar    | product name: Pont Yacht, Boeing                    |          |
|           |                 |           | productLine            | varchar    | big names: Classic Cars, Planes, Trains, Trucks and | multiple |
|           |                 |           | productScale           | varchar    | 比例 eg: 1:70   |          |
|           |                 |           | productVendor          | varchar    | Vendor's name: eg: second gear diecast              |          |
|           |                 |           | productDescription     | text       | specific product description                        |          |
|           | 1               |           | auantitulnCtack        | int        | quantity number                                     |          |
|           |                 |           | quantityInStock        | IIIC       | quartery number                                     |          |
|           |                 |           | buyPrice               | decimal    | buy cost  |          |