**Assignment 6**

**Swapnil Kamate**

**11.**

**Answer:**

SELECT I.CUS\_CODE,I.INV\_NUMBER,I.INV\_DATE,P.P\_DESCRIPT,L.LINE\_UNITS,L.LINE\_PRICE

FROM LINE AS L

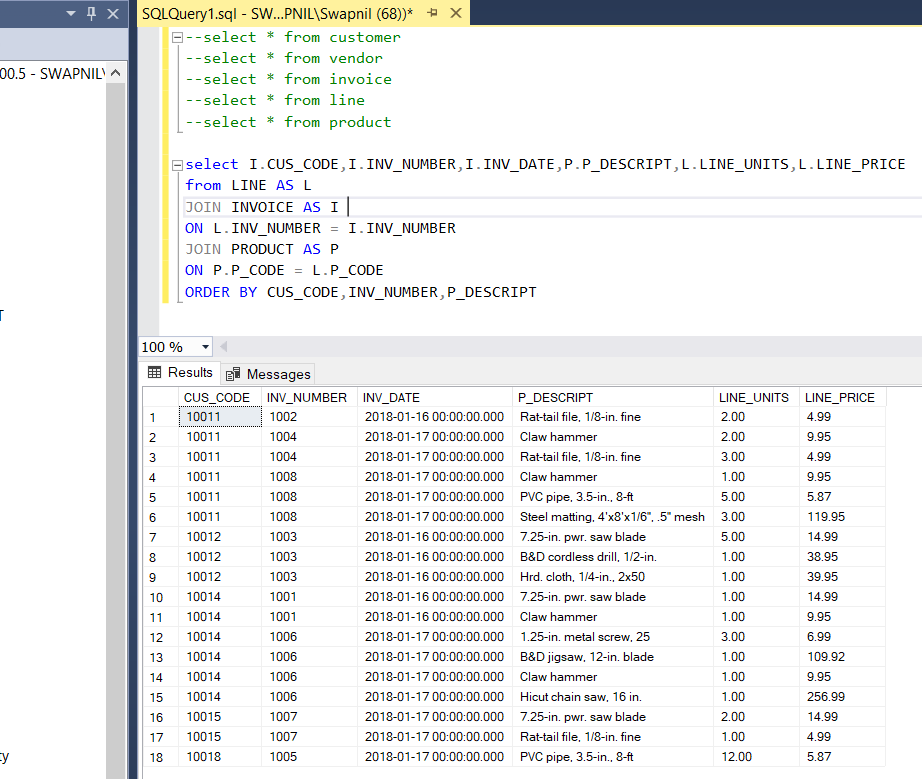
JOIN INVOICE AS I

ON L.INV\_NUMBER = I.INV\_NUMBER

JOIN PRODUCT AS P

ON P.P\_CODE = L.P\_CODE

ORDER BY CUS\_CODE,INV\_NUMBER,P\_DESCRIPT



**12**

**Answer:**

SELECT I.CUS\_CODE, I.INV\_NUMBER, P.P\_DESCRIPT, L.LINE\_UNITS AS [Units Bought],

L.LINE\_PRICE AS [Unit Price], (L.LINE\_UNITS \*L.LINE\_PRICE) AS [Subtotal]

FROM LINE AS L

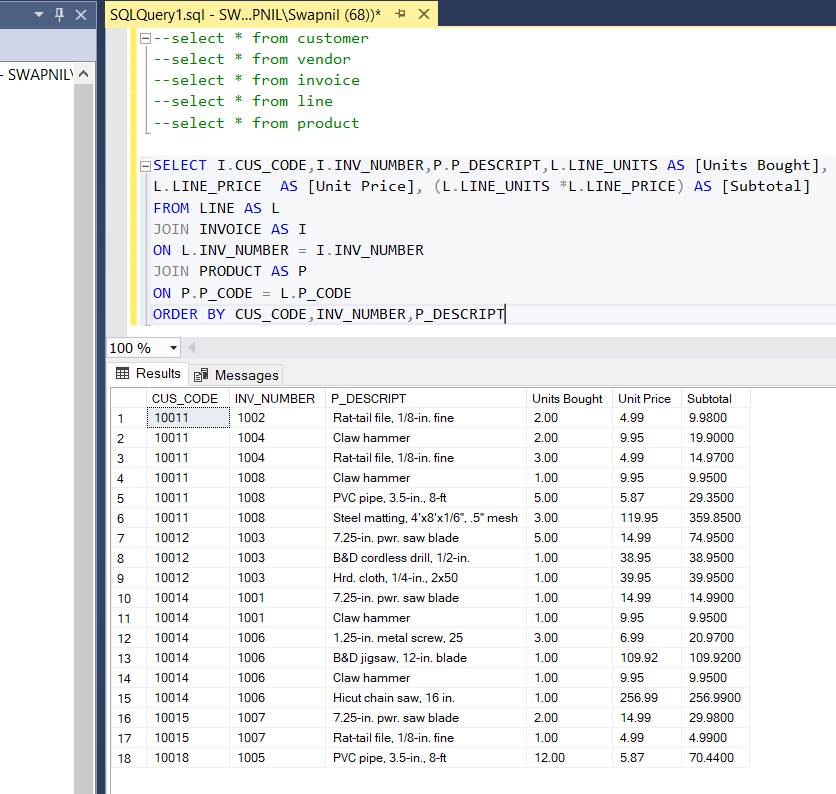
JOIN INVOICE AS I

ON L.INV\_NUMBER = I.INV\_NUMBER

JOIN PRODUCT AS P

ON P.P\_CODE = L.P\_CODE

ORDER BY CUS\_CODE,INV\_NUMBER,P\_DESCRIPT



**13.**

**Answer:**

SELECT C.CUS\_CODE, C.CUS\_BALANCE, SUM((L.LINE\_UNITS \*L.LINE\_PRICE) ) AS [Total Purchases]

FROM CUSTOMER AS C

JOIN INVOICE AS I

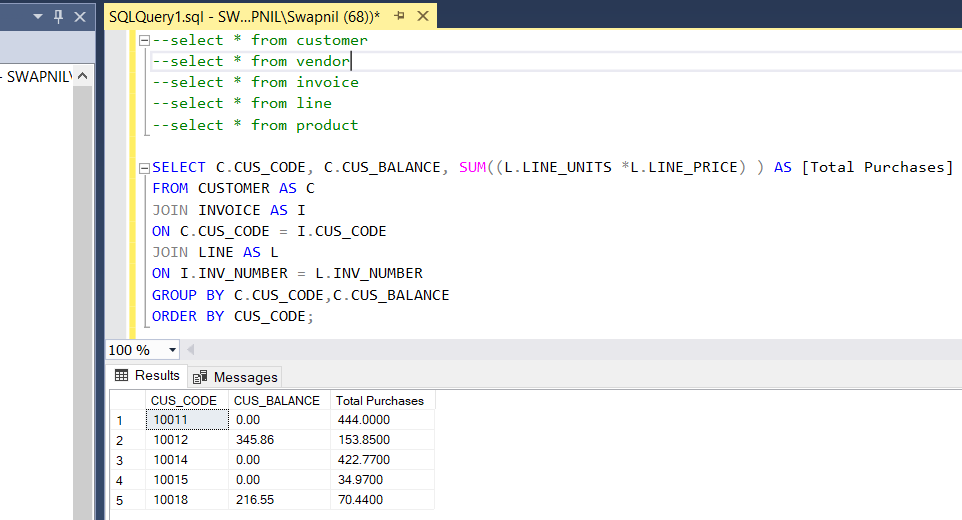
ON C.CUS\_CODE = I.CUS\_CODE

JOIN LINE AS L

ON I.INV\_NUMBER = L.INV\_NUMBER

GROUP BY C.CUS\_CODE,C.CUS\_BALANCE

ORDER BY CUS\_CODE;



**14.**

**Answer:**

SELECT I.CUS\_CODE, C.CUS\_BALANCE, SUM((L.LINE\_UNITS \*L.LINE\_PRICE) ) AS [Total Purchases],COUNT(I.CUS\_CODE) AS [Number of Purchases]

FROM CUSTOMER AS C

JOIN INVOICE AS I

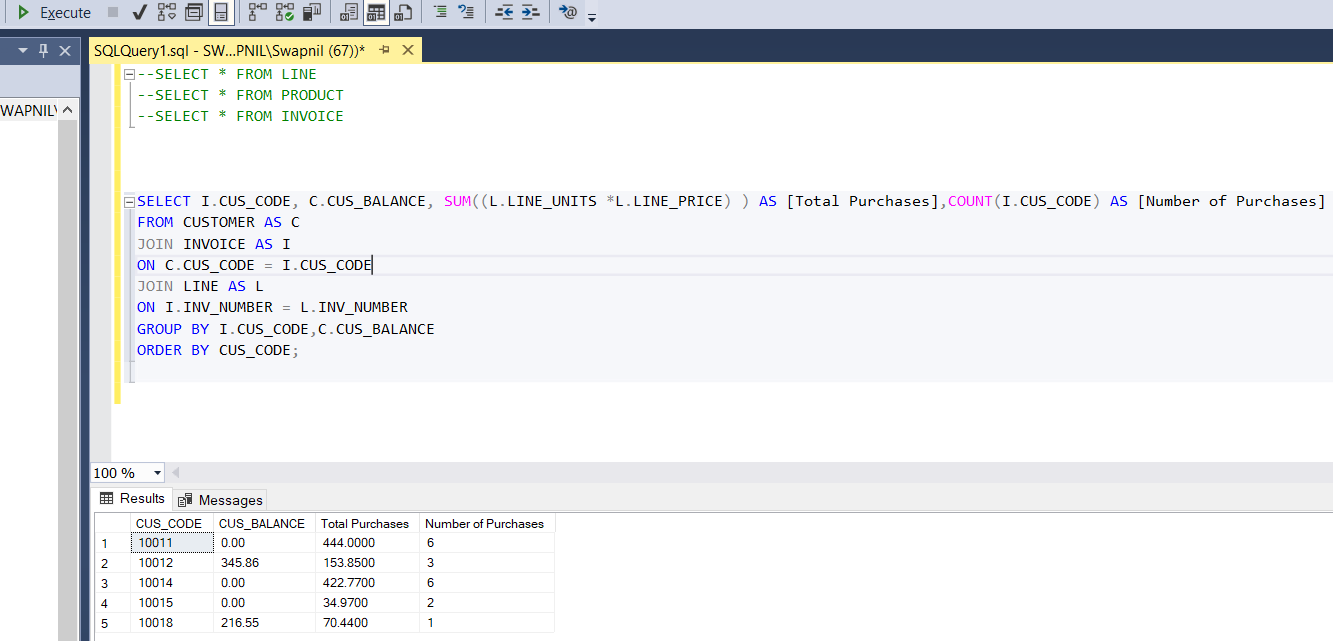
ON C.CUS\_CODE = I.CUS\_CODE

JOIN LINE AS L

ON I.INV\_NUMBER = L.INV\_NUMBER

GROUP BY I.CUS\_CODE,C.CUS\_BALANCE

ORDER BY CUS\_CODE;



15.

Answer:

SELECT I.CUS\_CODE, C.CUS\_BALANCE, SUM((L.LINE\_UNITS \*L.LINE\_PRICE) ) AS [Total Purchases],COUNT(I.CUS\_CODE) AS [Number of Purchases],

AVG(L.LINE\_UNITS \*L.LINE\_PRICE) AS [Average Purchase Amount]

FROM CUSTOMER AS C

JOIN INVOICE AS I

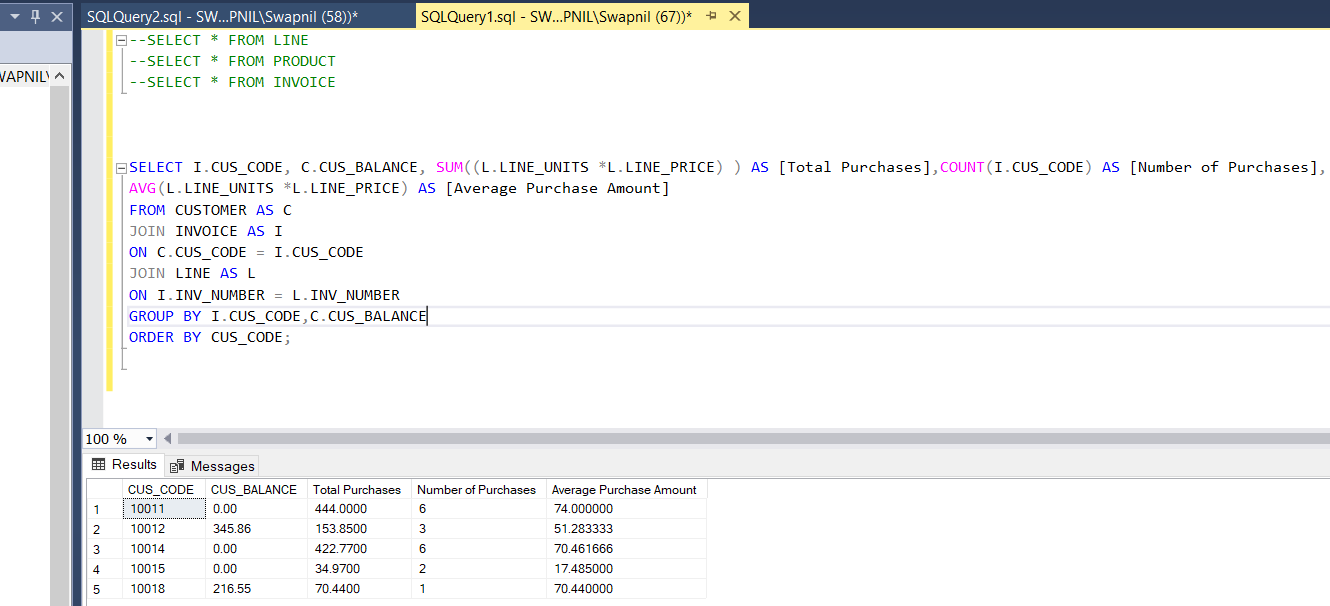
ON C.CUS\_CODE = I.CUS\_CODE

JOIN LINE AS L

ON I.INV\_NUMBER = L.INV\_NUMBER

GROUP BY I.CUS\_CODE,C.CUS\_BALANCE

ORDER BY CUS\_CODE;



16.

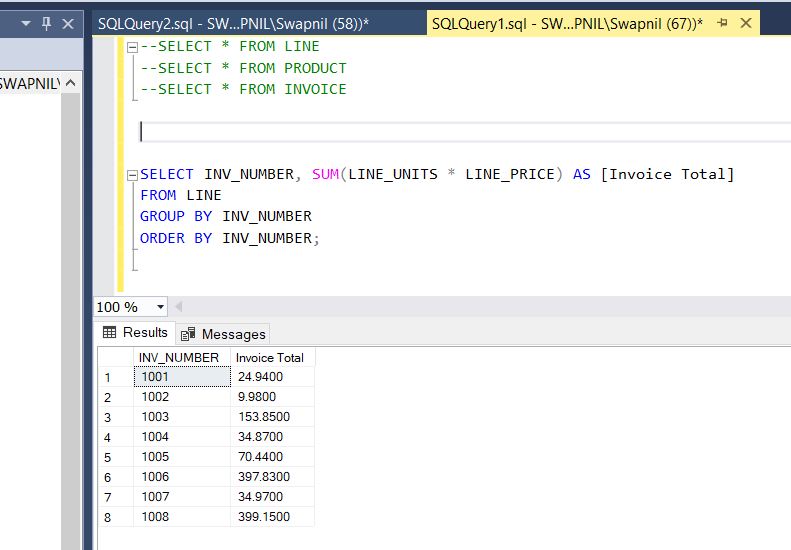
Answer:

SELECT INV\_NUMBER, SUM(LINE\_UNITS \* LINE\_PRICE) AS [Invoice Total]

FROM LINE

GROUP BY INV\_NUMBER

ORDER BY INV\_NUMBER;



17.

Answer:

SELECT I.CUS\_CODE, I.INV\_NUMBER, SUM(L.LINE\_UNITS \* L.LINE\_PRICE) AS [Invoice Total]

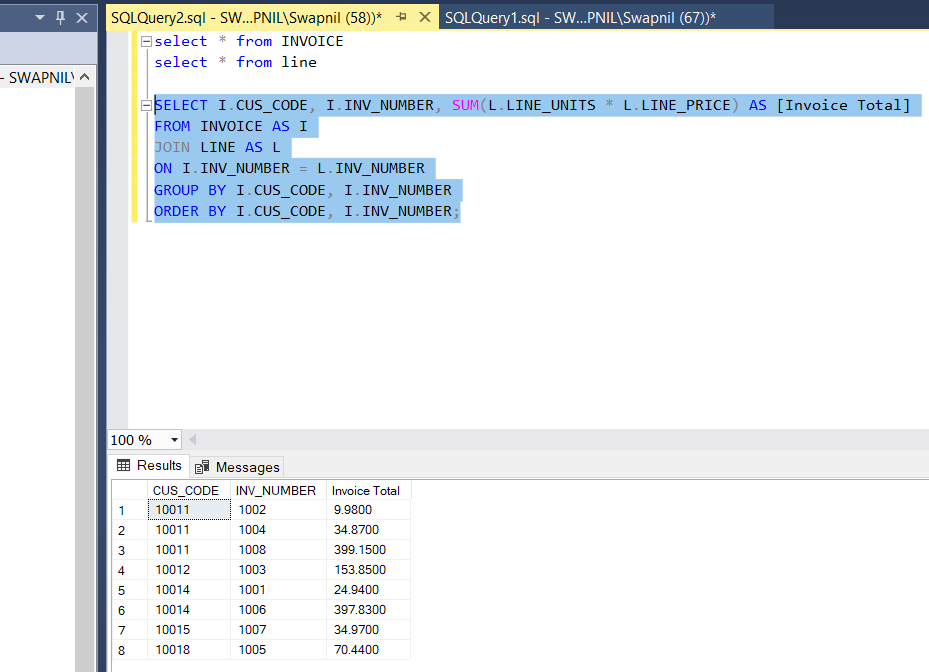
FROM INVOICE AS I

JOIN LINE AS L

ON I.INV\_NUMBER = L.INV\_NUMBER

GROUP BY I.CUS\_CODE, I.INV\_NUMBER

ORDER BY I.CUS\_CODE, I.INV\_NUMBER;



18.

Answer:

SELECT CUS\_CODE,COUNT(INV\_NUMBER) AS 'Number of Invoices',

SUM(INV\_TOTAL) AS 'Total Customer Purchases'

FROM (SELECT CUS\_CODE, LINE.INV\_NUMBER AS INV\_NUMBER,

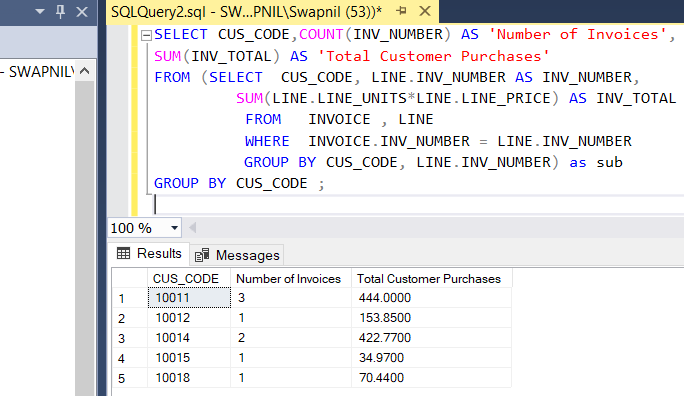
SUM(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS INV\_TOTAL

FROM INVOICE , LINE

WHERE INVOICE.INV\_NUMBER = LINE.INV\_NUMBER

GROUP BY CUS\_CODE, LINE.INV\_NUMBER) as sub

GROUP BY CUS\_CODE ;



19.

Answer:

SELECT Sum(INV\_NUMBER) AS 'Total Invoices',

Sum(TOT\_CUS\_PURCHASES) AS 'Total Sales',

MIN(TOT\_CUS\_PURCHASES) AS 'Minimum Customer Purchases',

MAX(TOT\_CUS\_PURCHASES) AS 'Maximum Customer Purchases',

AVG(TOT\_CUS\_PURCHASES) AS 'Average Customer Purchases'

FROM (SELECT CUS\_CODE, COUNT(INV\_NUMBER) AS INV\_NUMBER, Sum(Invoice\_Total) AS

TOT\_CUS\_PURCHASES

FROM (SELECT CUS\_CODE, LINE.INV\_NUMBER AS INV\_NUMBER,

Sum(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS Invoice\_Total

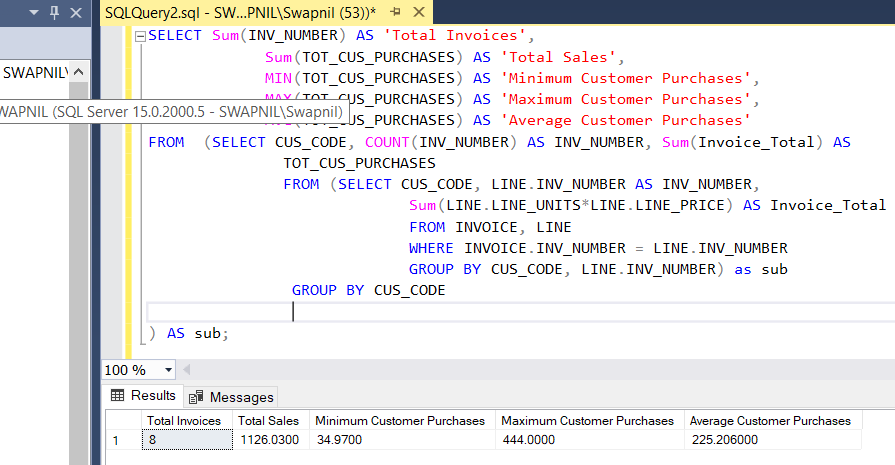
FROM INVOICE, LINE

WHERE INVOICE.INV\_NUMBER = LINE.INV\_NUMBER

GROUP BY CUS\_CODE, LINE.INV\_NUMBER) as sub

GROUP BY CUS\_CODE

) AS sub;



20.

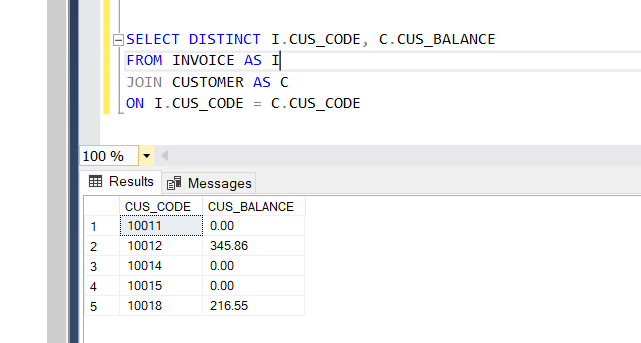
Answer:

SELECT DISTINCT I.CUS\_CODE, C.CUS\_BALANCE

FROM INVOICE AS I

JOIN CUSTOMER AS C

ON I.CUS\_CODE = C.CUS\_CODE



21.

Answer:

SELECT MIN(CUS\_BALANCE) AS 'Minimum Balance',

MAX(CUS\_BALANCE) AS 'Maximum Balance',

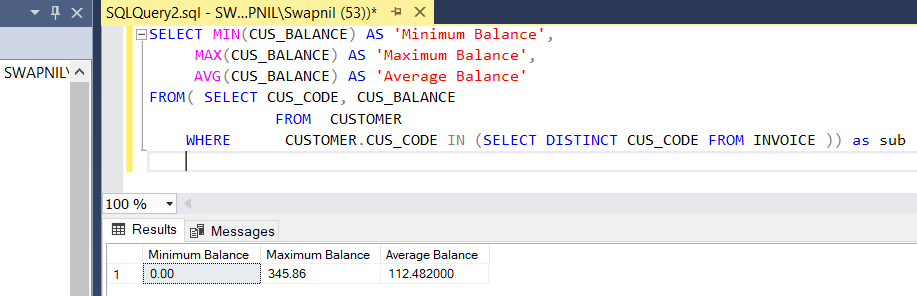
AVG(CUS\_BALANCE) AS 'Average Balance'

FROM( SELECT CUS\_CODE, CUS\_BALANCE

FROM CUSTOMER

WHERE CUSTOMER.CUS\_CODE IN (SELECT DISTINCT CUS\_CODE FROM INVOICE )

ORDER BY CUS\_CODE) as sub



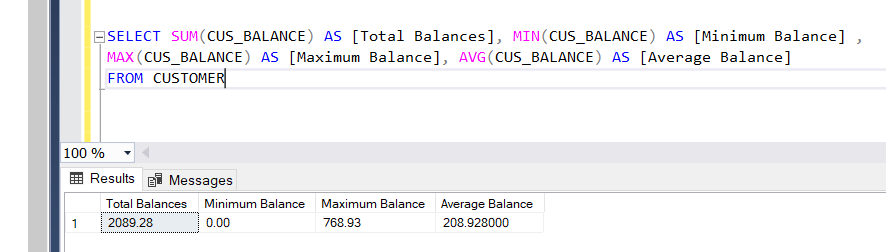
22.

Answer:

SELECT SUM(CUS\_BALANCE) AS [Total Balances], MIN(CUS\_BALANCE) AS [Minimum Balance] ,

MAX(CUS\_BALANCE) AS [Maximum Balance], AVG(CUS\_BALANCE) AS [Average Balance]

FROM CUSTOMER



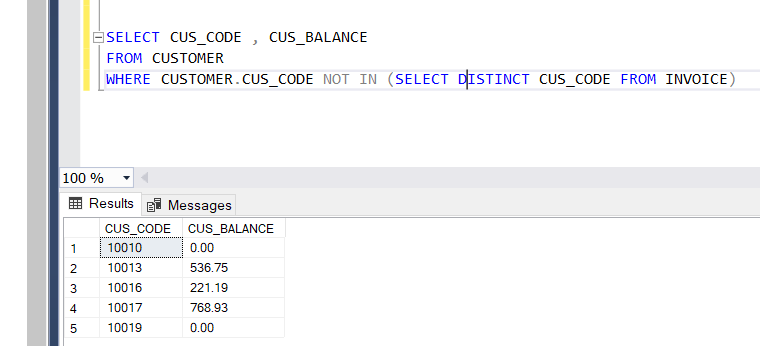
23.

Answer:

SELECT CUS\_CODE , CUS\_BALANCE

FROM CUSTOMER

WHERE CUSTOMER.CUS\_CODE NOT IN (SELECT DISTINCT CUS\_CODE FROM INVOICE)



24.

Answer:

SELECT SUM(CUS\_BALANCE) AS 'Total Balance',

MIN(CUS\_BALANCE) AS 'Minimum Balance',

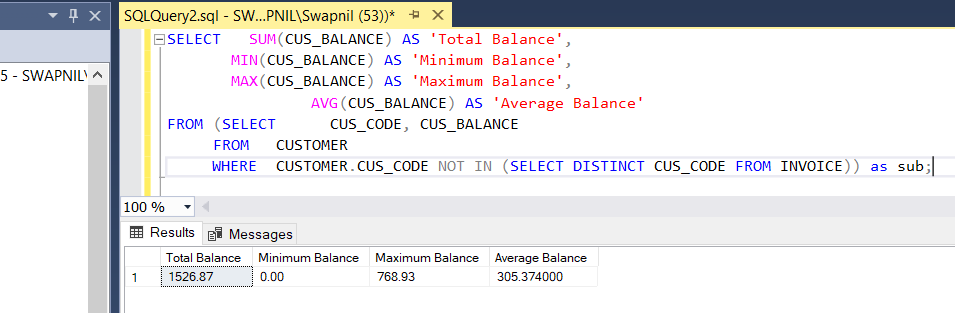
MAX(CUS\_BALANCE) AS 'Maximum Balance',

AVG(CUS\_BALANCE) AS 'Average Balance'

FROM (SELECT CUS\_CODE, CUS\_BALANCE

FROM CUSTOMER

WHERE CUSTOMER.CUS\_CODE NOT IN (SELECT DISTINCT CUS\_CODE FROM INVOICE)) as sub;



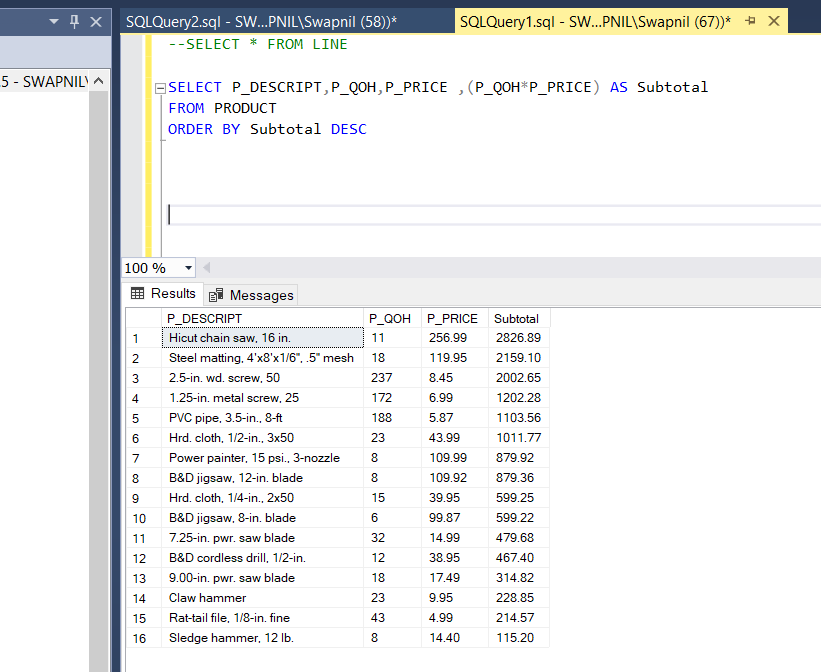
25.

Answer:

SELECT P\_DESCRIPT,P\_QOH,P\_PRICE ,(P\_QOH\*P\_PRICE) AS Subtotal

FROM PRODUCT

ORDER BY Subtotal DESC

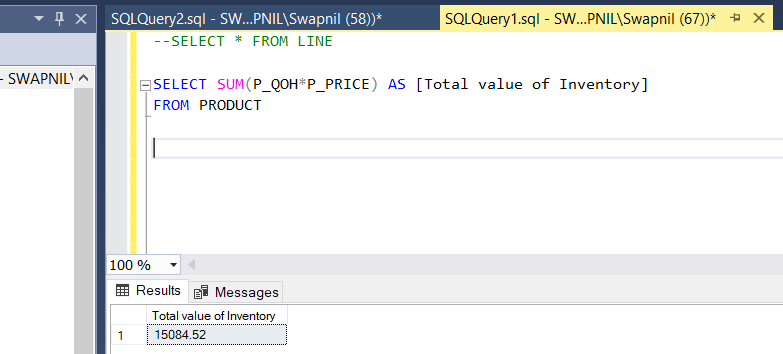


26.

Answer:

SELECT SUM(P\_QOH\*P\_PRICE) AS [Total value of Inventory]

FROM PRODUCT

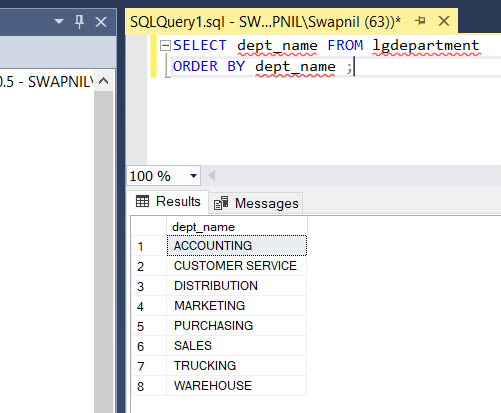


27.

Answer:

SELECT dept\_name FROM lgdepartment

ORDER BY dept\_name;



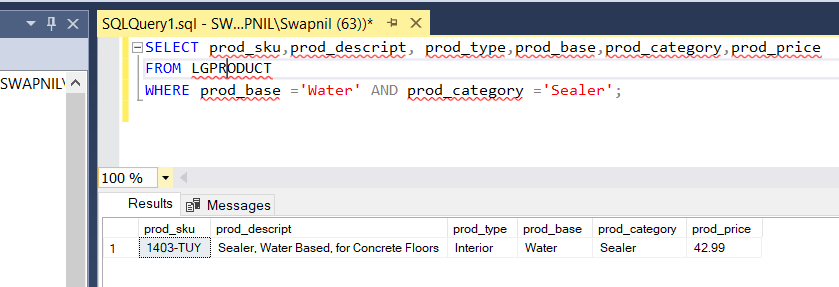
28.

Answer:

SELECT prod\_sku,prod\_descript, prod\_type,prod\_base,prod\_category,prod\_price

FROM LGPRODUCT

WHERE prod\_base ='Water' AND prod\_category ='Sealer';



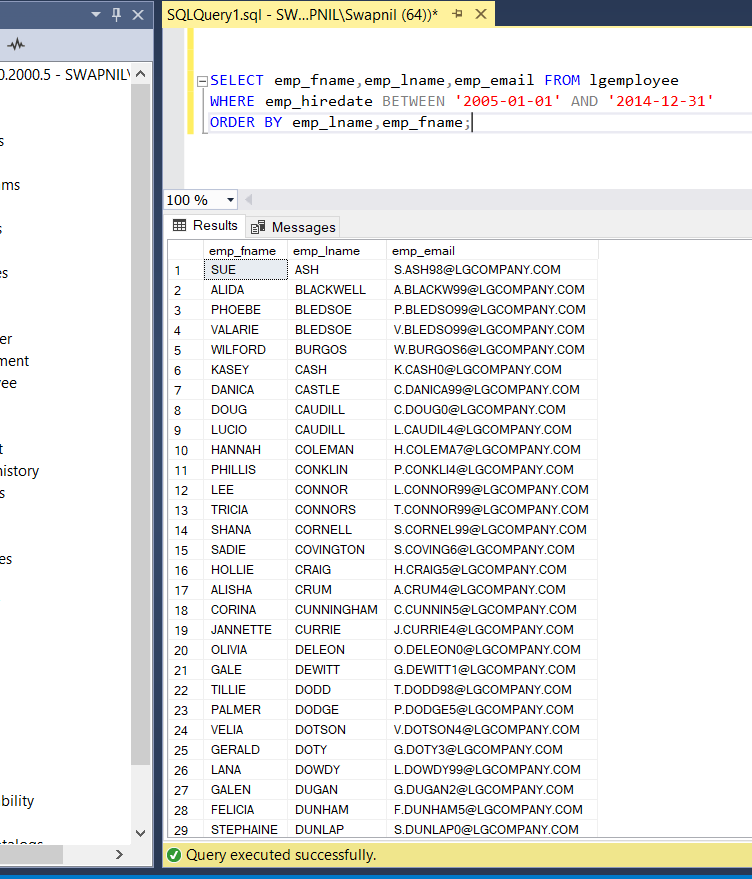
29.

Answer:

SELECT emp\_fname,emp\_lname,emp\_email FROM lgemployee

WHERE emp\_hiredate BETWEEN '2005-01-01' AND '2014-12-31'

ORDER BY emp\_lname,emp\_fname;



30.

Answer:

SELECT emp\_fname,emp\_lname,emp\_phone,emp\_title,dept\_num FROM lgemployee

WHERE dept\_num = 300 OR emp\_title = 'CLERK I'

ORDER BY emp\_lname,emp\_fname;

