Sohal Patel

**Week 11**

17.

SELECT

I.CUS\_CODE,

L.INV\_NUMBER,

ROUND( SUM( L.LINE\_UNITS \* L.LINE\_PRICE ), 2 ) AS "Invoice Total"

FROM

INVOICE I

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

GROUP BY

I.CUS\_CODE,

L.INV\_NUMBER

ORDER BY

I.CUS\_CODE;

18.

SELECT

I.CUS\_CODE,

COUNT( L.INV\_NUMBER ) AS "Number of Invoices",

ROUND( SUM( L.LINE\_UNITS \* L.LINE\_PRICE ), 2 ) AS "Total Customer Purchases"

FROM

INVOICE I

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

GROUP BY

I.CUS\_CODE;

19.

SELECT SUM("Number of Invoices") AS "Total Invoices",

SUM("Total Customer Purchases") AS "Total Sales",

MIN("Total Customer Purchases") AS "Minimum Customer Purchases",

MAX("Total Customer Purchases") AS "Largest Customer Purchases",

Round (AVG("Total Customer Purchases"), 2) AS "Average Customer Purchases"

FROM (SELECT DISTINCT INVOICE.CUS\_CODE,

COUNT(DISTINCT INVOICE.INV\_NUMBER) AS "Number of Invoices",

Round (SUM(LINE\_PRICE\*LINE\_UNITS), 2) AS "Total Customer Purchases"

FROM CUSTOMER, INVOICE, LINE

WHERE CUSTOMER.CUS\_CODE=INVOICE.CUS\_CODE

AND INVOICE.INV\_NUMBER=LINE.INV\_NUMBER

GROUP BY INVOICE.CUS\_CODE) Customer\_Purchases;

20.

SELECT

I.CUS\_CODE,

C.CUS\_BALANCE

FROM

CUSTOMER C

INNER JOIN INVOICE I ON C.CUS\_CODE = I.CUS\_CODE

GROUP BY

I.CUS\_CODE,

C.CUS\_BALANCE;

21.

SELECT

MIN( C.CUS\_BALANCE ) AS "Minimum Balance",

MAX( C.CUS\_BALANCE ) AS "Maximum Balance",

ROUND( AVG( C.CUS\_BALANCE ), 2 ) AS "Average Balance"

FROM

CUSTOMER C

WHERE

CUS\_CODE IN ( SELECT CUS\_CODE FROM INVOICE );

22.

SELECT

Sum( CUSTOMER.CUS\_BALANCE ) AS "Total Balances",

Min( CUSTOMER.CUS\_BALANCE ) AS "Minimum Balance",

Max( CUSTOMER.CUS\_BALANCE ) AS "Maximum Balance",

ROUND( Avg( CUSTOMER.CUS\_BALANCE ), 2 ) AS "Average Balance"

FROM

CUSTOMER;

23.

SELECT

CUS\_CODE,

CUS\_BALANCE

FROM

CUSTOMER

WHERE

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

24.

SELECT

SUM( cb.CUS\_BALANCE ) AS 'Total Balance',

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

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

AVG( cb.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 cb;

25.

SELECT

P.P\_DESCRIPT,

P.P\_QOH,

P.P\_PRICE,

P.P\_QOH \* P.P\_PRICE AS Expr1

FROM

PRODUCT P

ORDER BY

P.P\_QOH \* P.P\_PRICE DESC;

26.

SELECT

Sum( P.P\_QOH \* P.P\_PRICE ) AS 'Total Value of Inventory'

FROM

PRODUCT P;

27.

SELECT

\*

FROM

LGDEPARTMENT

ORDER BY

DEPT\_NAME;

28.

SELECT

PROD\_SKU,

PROD\_DESCRIPT,

PROD\_TYPE,

PROD\_BASE,

PROD\_CATEGORY,

PROD\_PRICE

FROM

LGPRODUCT

WHERE

PROD\_BASE = 'Water'

AND PROD\_CATEGORY = 'Sealer';

29.

SELECT

E.EMP\_FNAME,

E.EMP\_LNAME,

E.EMP\_EMAIL

FROM

LGEMPLOYEE E

WHERE

E.EMP\_HIREDATE BETWEEN '2005-01-05'

AND '2014-12-31'

ORDER BY

E.EMP\_LNAME,

E.EMP\_FNAME;

30.

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;