**Assignment 10**

9.

SELECT

COUNT( \* )

FROM

INVOICE;

10.

SELECT

COUNT( \* )

FROM

CUSTOMER

WHERE

CUS\_BALANCE > 500;

11.

SELECT

CUS.CUS\_CODE,

INV.INV\_NUMBER,

INV.INV\_DATE,

PROD.P\_DESCRIPT,

LINE.LINE\_UNITS,

LINE.LINE\_PRICE

FROM

CUSTOMER CUS

JOIN INVOICE INV ON CUS.CUS\_CODE = INV.CUS\_CODE

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

JOIN PRODUCT PROD ON PROD.P\_CODE = LINE.P\_CODE

ORDER BY

CUS.CUS\_CODE ASC,

INV.INV\_NUMBER ASC,

PROD.P\_DESCRIPT ASC;

12.

SELECT

CUS.CUS\_CODE,

INV.INV\_NUMBER,

PROD.P\_DESCRIPT,

LINE.LINE\_UNITS AS 'Units Bought',

LINE.LINE\_PRICE AS 'Unit Price',

ROUND( LINE.LINE\_UNITS \* LINE.LINE\_PRICE, 2 ) AS 'Subtotal'

FROM

CUSTOMER CUS

JOIN INVOICE INV ON CUS.CUS\_CODE = INV.CUS\_CODE

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

JOIN PRODUCT PROD ON PROD.P\_CODE = LINE.P\_CODE

ORDER BY

CUS.CUS\_CODE ASC,

INV.INV\_NUMBER ASC,

PROD.P\_DESCRIPT ASC;

13.

SELECT

CUS.CUS\_CODE,

CUS.CUS\_BALANCE,

ROUND( SUM( LINE.LINE\_UNITS \* LINE.LINE\_PRICE ), 2 ) AS 'Total Purchases'

FROM

CUSTOMER CUS

JOIN INVOICE INV ON CUS.CUS\_CODE = INV.CUS\_CODE

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

GROUP BY

CUS.CUS\_CODE, CUS\_BALANCE

ORDER BY

CUS.CUS\_CODE, CUS\_BALANCE ASC;

14.

SELECT

CUS.CUS\_CODE,

CUS.CUS\_BALANCE,

ROUND( SUM( LINE.LINE\_UNITS \* LINE.LINE\_PRICE ), 2 ) AS 'Total Purchases',

COUNT( INV.CUS\_CODE ) AS 'Number of Purchases'

FROM

CUSTOMER CUS

JOIN INVOICE INV ON CUS.CUS\_CODE = INV.CUS\_CODE

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

GROUP BY

CUS.CUS\_CODE, CUS\_BALANCE

ORDER BY

CUS.CUS\_CODE, CUS\_BALANCE ASC;

15.

SELECT

CUS.CUS\_CODE,

CUS.CUS\_BALANCE,

ROUND( SUM( LINE.LINE\_UNITS \* LINE.LINE\_PRICE ), 2 ) AS 'Total Purchases',

COUNT( INV.CUS\_CODE ) AS 'Number of Purchases',

ROUND( SUM( LINE.LINE\_UNITS \* LINE.LINE\_PRICE ) / COUNT( INV.CUS\_CODE ), 2 ) AS 'Average Purchase Amount'

FROM

CUSTOMER CUS

JOIN INVOICE INV ON CUS.CUS\_CODE = INV.CUS\_CODE

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

GROUP BY

CUS.CUS\_CODE, CUS\_BALANCE

ORDER BY

CUS.CUS\_CODE, CUS\_BALANCE ASC;

16.

SELECT

INV.INV\_NUMBER,

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

FROM

INVOICE INV

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

GROUP BY

INV.INV\_NUMBER

ORDER BY

INV.INV\_NUMBER ASC;