

**Nathan Moran**

**Assignment 10**

**9.**

```
SELECT COUNT( * )  
FROM INVOICE;
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**10.**

```
SELECT COUNT( * )  
FROM CUSTOMER  
WHERE CUST_BALANCE > 500;
```

**11.**

```
SELECT C.CUST_CODE, I.INV_NUMBER, I.INV_DATE, P.PRICE_DESCRIPTOR,  
L.LINE_UNITS, L.LINE_PRICE  
  
FROM CUSTOMER C  
JOIN INVOICE I ON C.CUST_CODE = I.CUST_CODE  
JOIN LINE L ON L.INV_NUMBER = I.INV_NUMBER  
JOIN PRODUCT P ON P.P_CODE = L.P_CODE  
  
ORDER BY C.CUST_CODE ASC, I.INV_NUMBER ASC, P.PRICE_DESCRIPTOR  
ASC;
```

**12.**

```
SELECT C.CUST_CODE, I.INV_NUMBER, P.PRICE_DESCRIPTOR, L.LINE_UNITS AS 'Units  
Bought', L.LINE_PRICE AS 'Unit Price', ROUND( L.LINE_UNITS * L.LINE_PRICE, 2 )  
AS 'Subtotal'  
  
FROM CUSTOMER C  
JOIN INVOICE I ON C.CUST_CODE = I.CUST_CODE  
JOIN LINE L ON L.INV_NUMBER = I.INV_NUMBER  
JOIN PRODUCT P ON P.PRICE_CODE = L.PRICE_CODE  
  
ORDER BY C.CUST_CODE ASC, I.INV_NUMBER ASC, P.PRICE_DESCRIPTOR ASC;
```

**13.**

```
SELECT C.CUST_CODE, C.CUST_BALANCE, ROUND( SUM( L.LINE_UNITS *  
L.LINE_PRICE ), 2 ) AS 'Total Purchases'  
  
FROM CUSTOMER C  
JOIN INVOICE I ON C.CUST_CODE = I.CUST_CODE
```

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

GROUP BY C.CUST\_CODE, CUST\_BALANCE  
ORDER BY C.CUST\_CODE, CUST\_BALANCE ASC;

**14.**

SELECT C.CUST\_CODE, C.CUST\_BALANCE, ROUND( SUM( L.LINE\_UNITS \*  
L.LINE\_PRICE ), 2 ) AS 'Total Purchases', COUNT( I.CUST\_CODE ) AS 'Number of  
Purchases'

FROM CUSTOMER C  
JOIN INVOICE I ON C.CUST\_CODE = I.CUST\_CODE  
JOIN LINE L ON L.INV\_NUMBER = I.INV\_NUMBER

GROUP BY C.CUST\_CODE, CUST\_BALANCE  
ORDER BY C.CUST\_CODE, CUST\_BALANCE ASC;

**15.**

SELECT C.CUST\_CODE, C.CUST\_BALANCE, ROUND( SUM( L.LINE\_UNITS \*  
L.LINE\_PRICE ), 2 ) AS 'Total Purchases', COUNT( I.CUST\_CODE ) AS 'Number of  
Purchases', ROUND( SUM( L.LINE\_UNITS \* L.LINE\_PRICE ) / COUNT(  
I.CUST\_CODE ), 2 ) AS 'Average Purchase Amount'

FROM CUSTOMER C  
JOIN INVOICE I ON C.CUST\_CODE = I.CUST\_CODE  
JOIN LINE L ON L.INV\_NUMBER = I.INV\_NUMBER

GROUP BY C.CUST\_CODE, CUST\_BALANCE  
ORDER BY C.CUST\_CODE, CUST\_BALANCE ASC;

**16.**

SELECT I.INV\_NUMBER, ROUND( SUM( L.LINE\_PRICE \* L.LINE\_UNITS), 2 ) AS 'Invoice  
Total'

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

GROUP BY I.INV\_NUMBER  
ORDER BY I.INV\_NUMBER ASC;