

Alex Merkley, Rylan J, Walker Nicholson, Jacob Forcht, Alex Weber  
The Jawnsons

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9. Write a query to count the number of invoices

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

10. Write a query to count the number of customers with a balance of more than \$500.

```
SELECT COUNT(*)  
FROM CUSTOMER  
WHERE CUS_BALANCE > 500.
```

15. Use a query to compute the total of all purchases, the number of purchases, and the average purchase amount made by each customer. Your output values must match those shown in [Figure P7.15](#). Sort the results by customer code.

```
SELECT CUS_CODE, CUS_BALANCE, SUM (SUB_TOTAL) AS "Total Purchases",  
COUNT (LINE_UNITS) AS "Number of Purchases", AVG (SUB_TOTAL) AS  
"Average Purchase Amount"  
FROM CUSTOMER  
GROUP BY CUS_CODE
```

19. Write a query to generate the total number of invoices, the invoice total for all of the invoices, the smallest of the customer purchase amounts, the largest of the customer purchase amounts, and the average of all the customer purchase amounts. Your output must match Figure P7.19.

```
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",  
AVG(Total_Customer_Purchases) AS "Average Customer Purchases",  
FROM(SELECT Cus_Code, COUNT(DISTINCT INVOICE.Inv_Number) AS  
"Number_Of_Invoices",  
SUM(Line_Units * Line_Price) AS "Total_Customer_Purchases"  
FROM CUSTOMER, INVOICE, LINE  
WHERE CUSTOMER.CUS_CODE=INVOICE.CUS_CODE  
AND INVOICE.INV_NUMBER=LINE.INV_NUMBER) as Customer_Purchase_details;
```

20. List the balances of customers who have made purchases during the current invoice cycle—that is, for the customers who appear in the INVOICE table. The results of this query are shown in Figure P7.20, sorted by customer code.

```
SELECT CUS_CODE, CUS_BALANCE  
FROM CUSTOMER, INVOICE  
WHERE CUS_CODE IN (SELECT CUS_CODE FROM INVOICE)  
GROUP BY CUS_CODE;
```