QUIZ: ORDER BY Part 2

1. Write a query that displays the order ID, account ID, and total dollar amount for all the orders, sorted first by the account ID (in ascending order), and then by the total dollar amount (in descending order).

select id, account\_id, total

from orders

order by account\_id asc , total\_amt\_usd desc

1. Now write a query that again displays order ID, account ID, and total dollar amount for each order, but this time sorted first by total dollar amount (in descending order), and then by account ID (in ascending order).

select id, account\_id, total

from orders

order by total\_amt\_usd desc, account\_id asc

1. Compare the results of these two queries above. How are the results different when you switch the column you sort on first?

**In query #1, all of the orders for each account ID are grouped together, and then within each of those groupings, the orders appear from the greatest order amount to the least. In query #2, since you sorted by the total dollar amount first, the orders appear from greatest to least regardless of which account ID they were from. Then they are sorted by account ID next. (The secondary sorting by account ID is difficult to see here, since only if there were two orders with equal total dollar amounts would there need to be any sorting by account ID.)**