

Write Your First JOIN

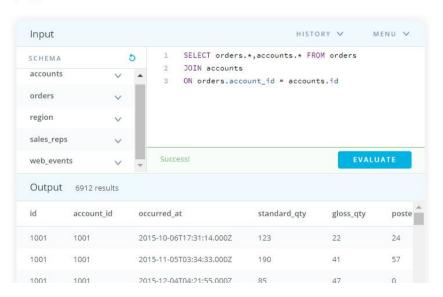
Below we see an example of a query using a **JOIN** statement. Let's discuss what the different clauses of this query mean.

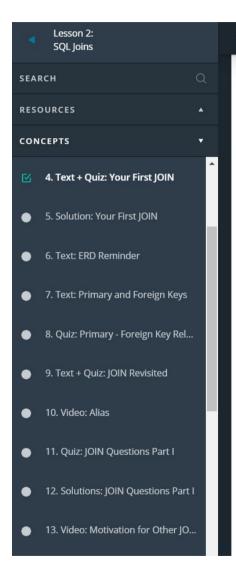
SEND FEEDBACK

Text + Quiz: Your First JOIN

```
SELECT orders.*
FROM orders
JOIN accounts
ON orders.account_id = accounts.id;
```

As we've learned, the **SELECT** clause indicates which column(s) of data you'd like to see in the output (For Example, orders.* gives us all the columns in orders table in the output). The **FROM** clause indicates the first table from which we're pulling data, and the **JOIN** indicates the second table. The **ON** clause specifies the column on which you'd like to merge the two tables together. Try running this query yourself below.



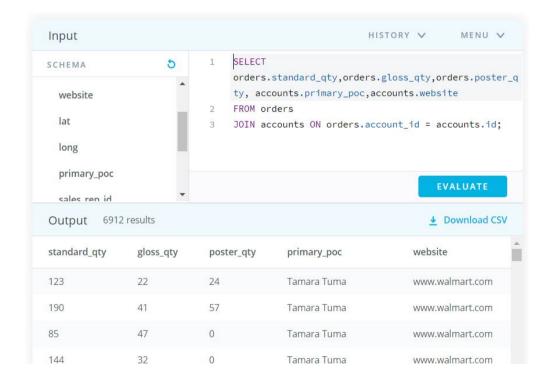


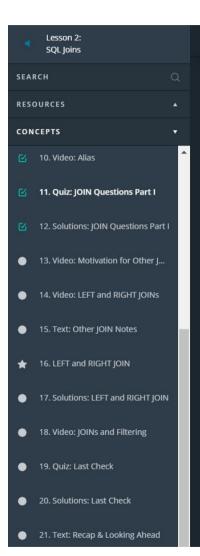
Text + Quiz: Your First JOIN

SEND FEEDBACK

- **Quiz Questions**
 - 1. Try pulling all the data from the **accounts** table, and all the data from the **orders** table.
 - 2. Try pulling **standard_qty**, **gloss_qty**, and **poster_qty** from the **orders** table, and the **website** and the **primary_poc** from the **accounts** table.

Another environment is below to practice these two questions, and you can check your solutions on the next concept.



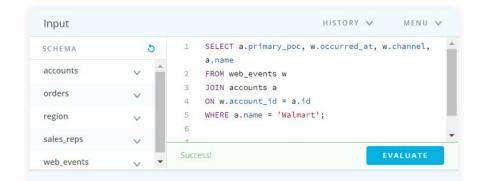


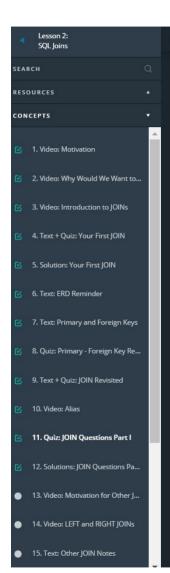
Quiz: JOIN Questions Part I SEND FEEDBACK

I recommend testing your queries with the environment below, and then saving them to a file. Then compare your file to my solutions on the next concept!

Questions

- Provide a table for all web_events associated with account name of Walmart. There should be
 three columns. Be sure to include the primary_poc, time of the event, and the channel for each
 event. Additionally, you might choose to add a fourth column to assure only Walmart events were
 chosen.
- 2. Provide a table that provides the region for each sales_rep along with their associated accounts. Your final table should include three columns: the region name, the sales rep name, and the account name. Sort the accounts alphabetically (A-Z) according to account name.
- 3. Provide the name for each region for every order, as well as the account name and the unit price they paid (total_amt_usd/total) for the order. Your final table should have 3 columns: region name, account name, and unit price. A few accounts have 0 for total, so I divided by (total + 0.01) to assure not dividing by zero.

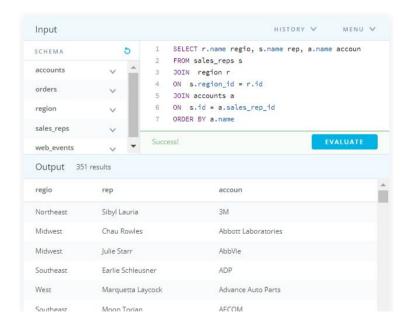


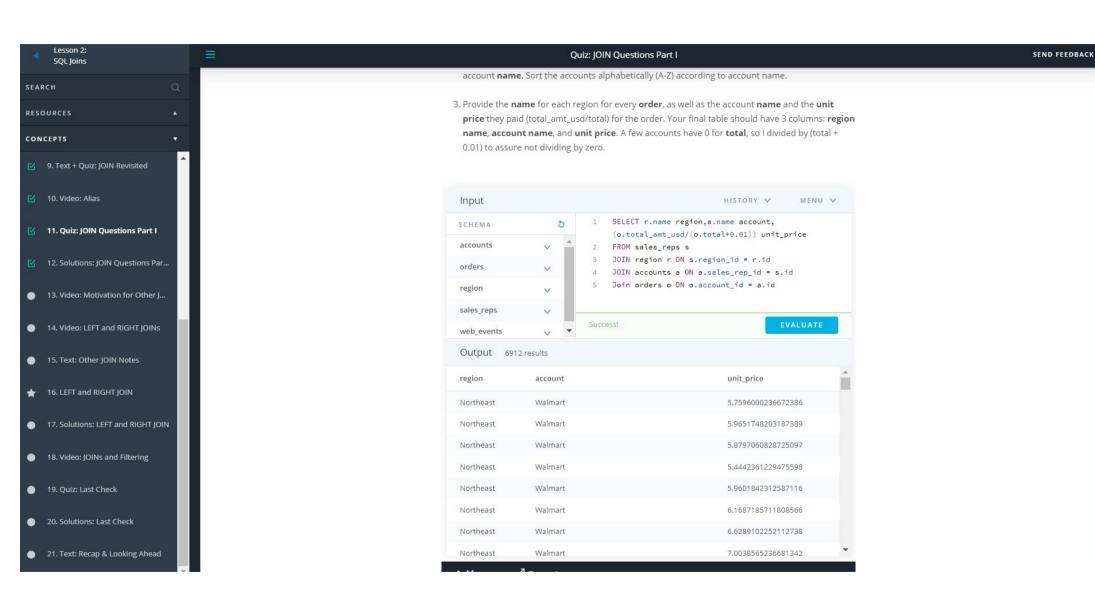


Quiz: JOIN Questions Part I SEND FEEDBA

Questions

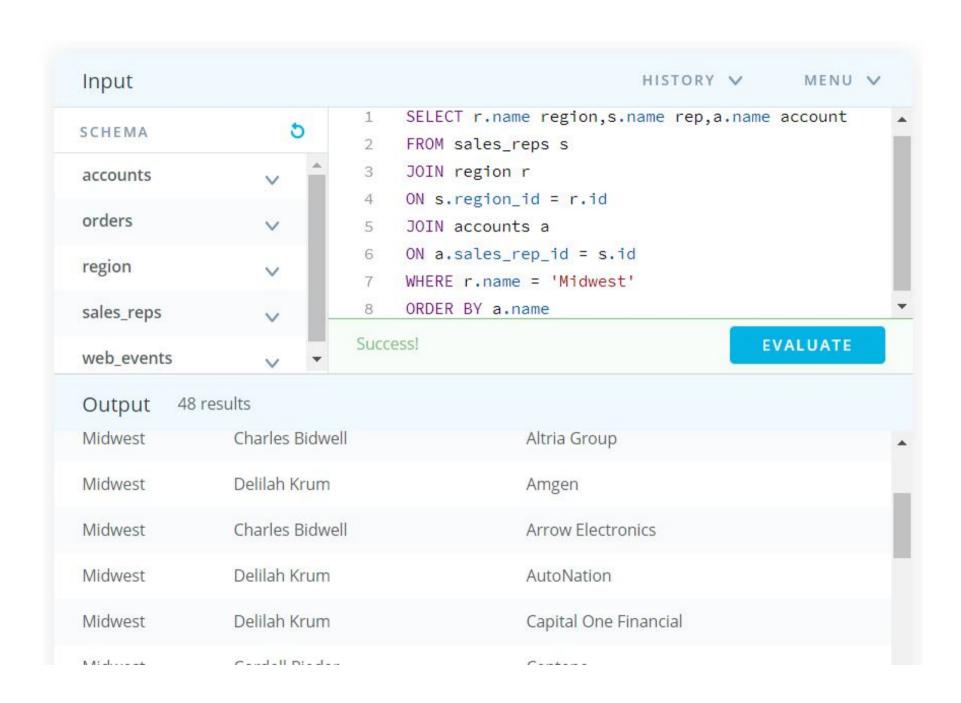
- Provide a table for all web_events associated with account name of walmart. There should be
 three columns. Be sure to include the primary_poc. time of the event, and the channel for each
 event. Additionally, you might choose to add a fourth column to assure only walmart events were
 chosen.
- Provide a table that provides the region for each sales_rep along with their associated accounts.
 Your final table should include three columns: the region name, the sales rep name, and the account name. Sort the accounts alphabetically (A-Z) according to account name.
- 3. Provide the name for each region for every order, as well as the account name and the unit price they paid (total_amt_usd/total) for the order. Your final table should have 3 columns: region name, account name, and unit price. A few accounts have 0 for total, so I divided by (total + 0.01) to assure not dividing by zero.

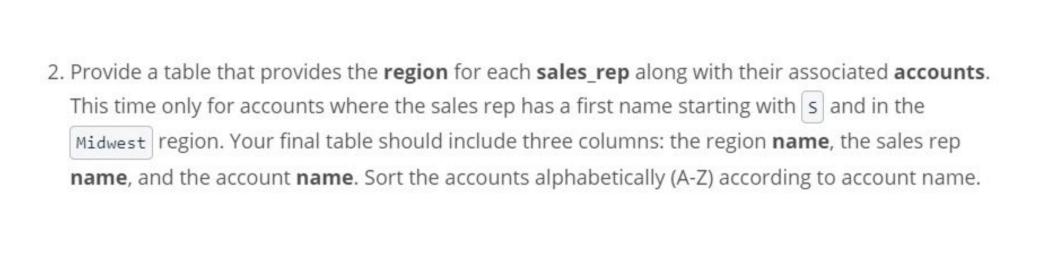


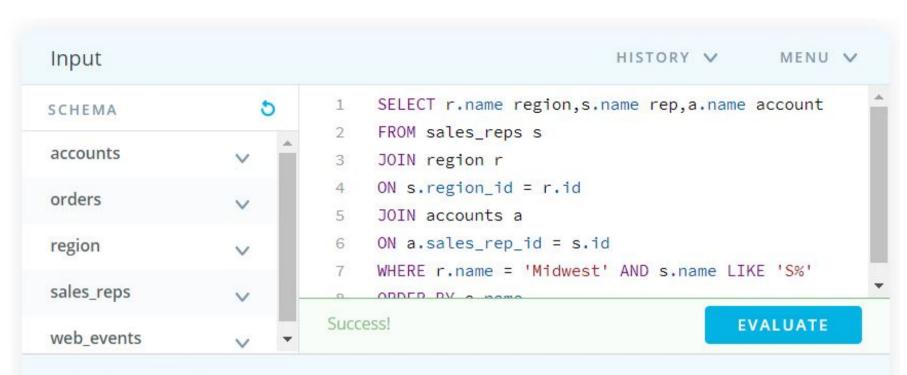


Questions

Provide a table that provides the region for each sales_rep along with their associated accounts.
 This time only for the Midwest region. Your final table should include three columns: the region name, the sales rep name, and the account name. Sort the accounts alphabetically (A-Z) according to account name.

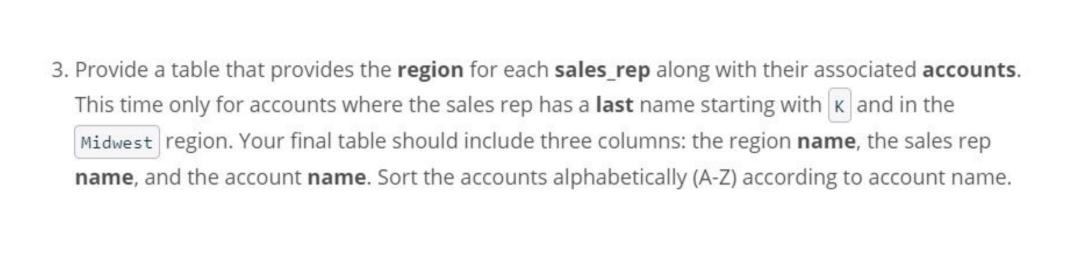


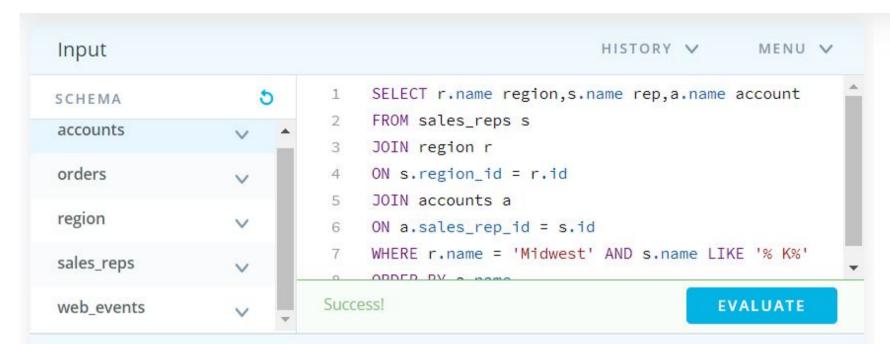




Output 5 results

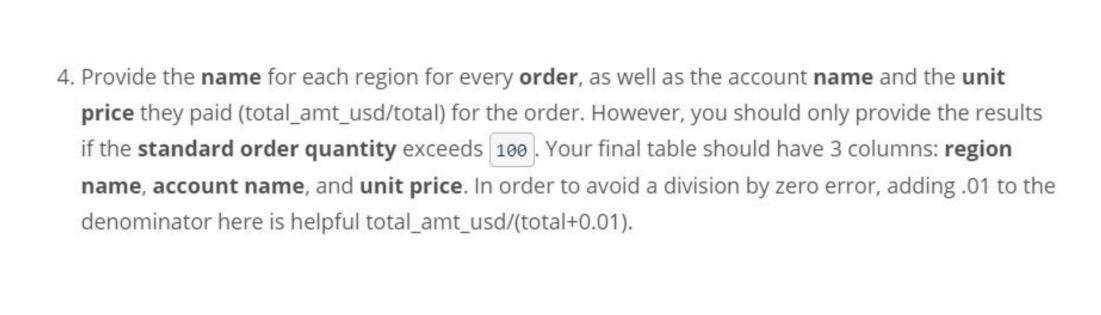
region	rep	account
Midwest	Sherlene Wetherington	Community Health Systems
Midwest	Sherlene Wetherington	Progressive
Midwest	Sherlene Wetherington	Rite Aid
Midwest	Sherlene Wetherington	Time Warner Cable
Midwest	Sherlene Wetherington	U.S. Bancorp

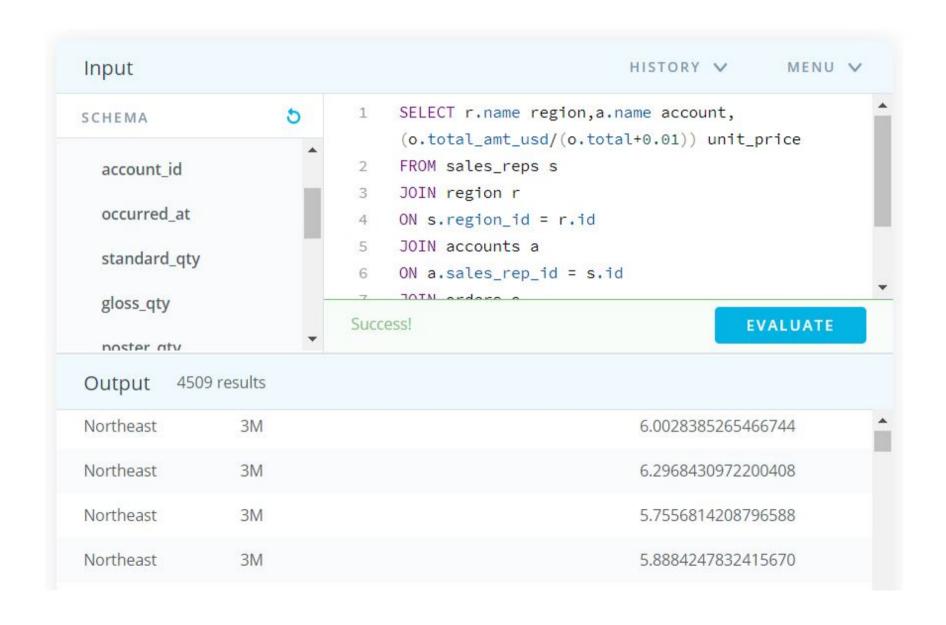


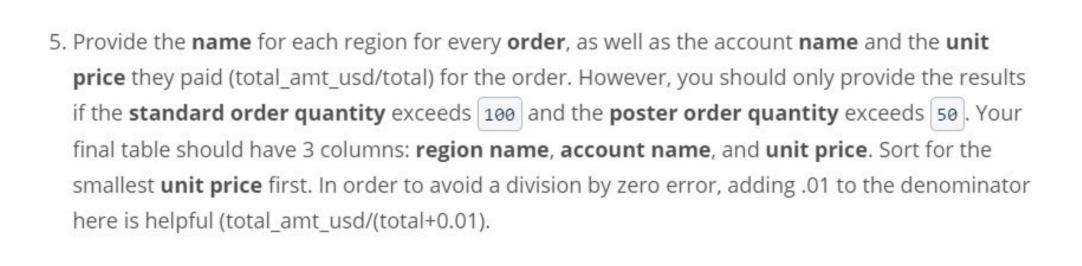


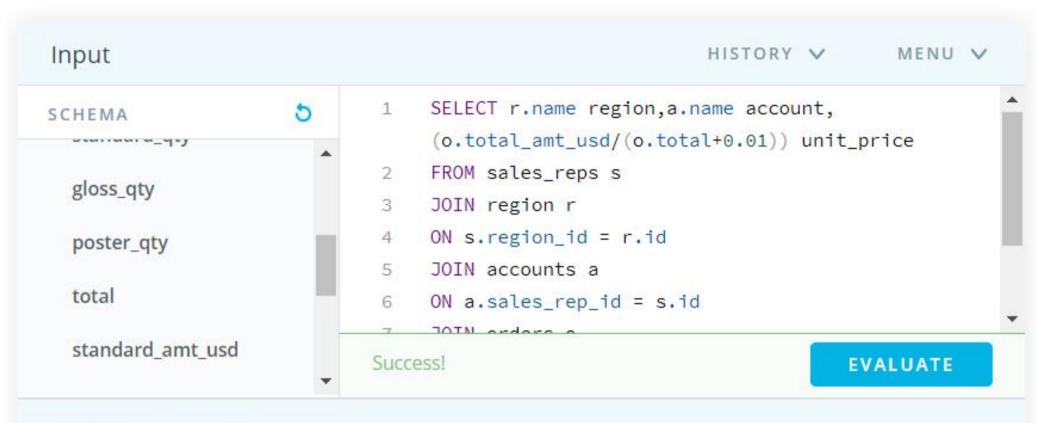
Output 13 results

region	rep	account
Midwest	Delilah Krum	Amgen
Midwest	Delilah Krum	AutoNation
Midwest	Delilah Krum	Capital One Financial
Midwest	Delilah Krum	Cummins
Midwest	Carletta Kosinski	Danaher
Midwest	Carletta Kosinski	Dollar General
Midwest	Delilah Krum	Hartford Financial Services Group



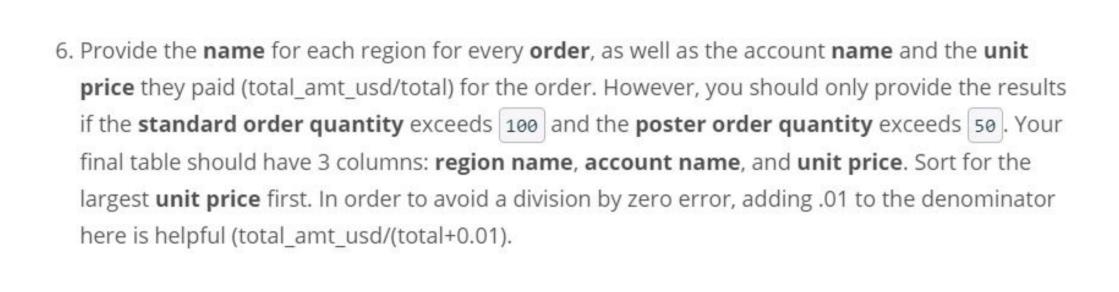


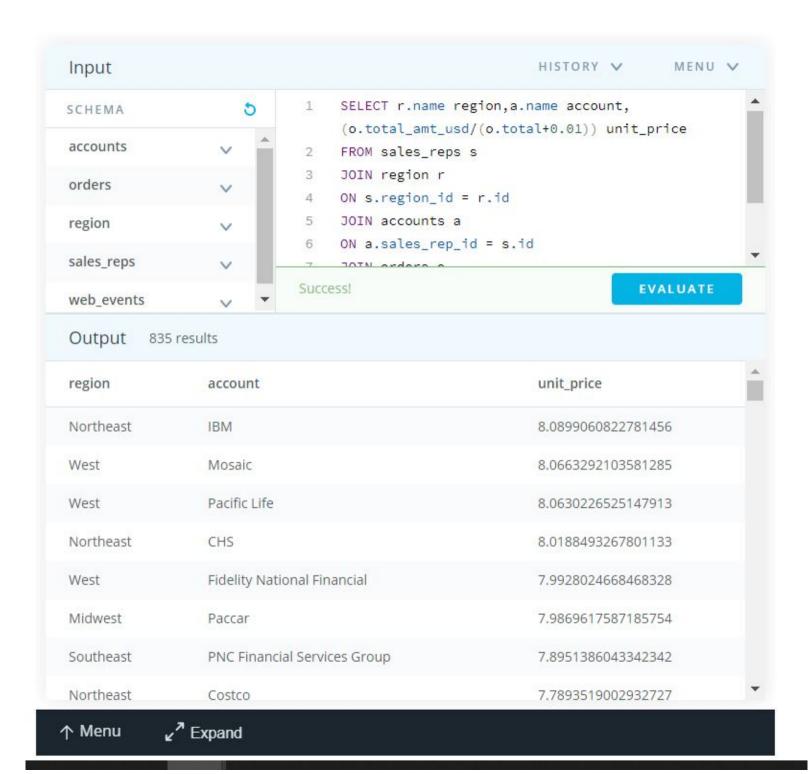




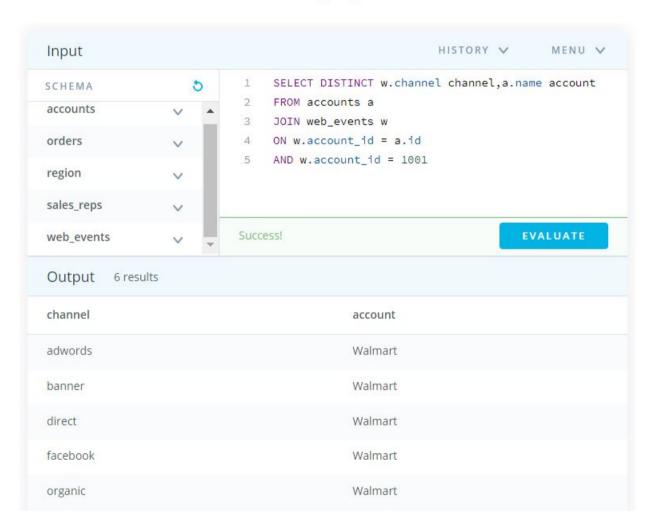
Output 835 results

region	account	unit_price	Î
Northeast	State Farm Insurance Cos.	5.1192822502542913	
Southeast	DISH Network	5.2318158475403638	
Northeast	Travelers Cos.	5.2351813313106532	





- 7. What are the different **channel**s used by **account id** 1001? Your final table should have only 2 columns: **account name** and the different **channels**. You can try **SELECT DISTINCT** to narrow down the results to only the unique values.
- 8. Find all the orders that occurred in 2015. Your final table should have 4 columns: occurred_at, account name, order total, and order total_amt_usd.



8. Find all the orders that occurred in 2015. Your final table should have 4 columns: occurred_at, account name, order total, and order total amt usd.

