Homework 7

QUESTIONS:

- 1. In step 4 of the lab, you spun up a VM running Cassandra. What is your deployment name? cassandra-1
- 2. In what GCP zone is it running?

us central1-f

3. How many CPUs in your VM?

2 vCPUs

4. How much memory did it allocate to your VM? Page 3

4 GB memory

5. What is the IP address of your VM?

Default(10.125.0.0/20)

6. What command do you enter to connect to the Cassandra shell? What was your username and password?

cqlsh -u cassandra -p WzXRTJL2Fhq3

7. What is the name of the keyspace you created?

space_flights

8. What is the name of the table you created?

space_flights.catalog

9. What is the replication factor for the keyspace you created? In the instructions it told you to exit the cqlsh. If you have time remaining (out of your 30 minutes lab) go back to the SSH dropdown, open a new cqlsh terminal, log in again.

replication factor: 1

10. Run the query: "Select * from space_flights.catalog;" again

11. Modify the query: "select count(*) from space_flights.catalog;" How many rows are in the table?

select count(spacecraft_name) as count from space_flights.catalog;

12. Run the query: "select spacecraft_name, journey_id from space_flights.catalog;"

13. Modify your query to select all the rows where the spacecraft_name is like "%mercury%". What happens? (Not all SQL commands will work in CQL). See https://docs.datastax.com/en/archived/cql/3.3/cql/cgl reference/cqlSelect.html

It gives an error if we try using the LIKE command. That command is not supported in CQL. I tried this modified query:

select spacecraft_name, journey_id from space_flights.catalog where spacecraft_name ='
"%mercury%"' ALLOW FILTERING;

I could not get any similar result (only result was empty value)

14. Modify your query to try to sort the output using a "ORDER BY". What happens?

CQL does support SQL order by, so it does not produce an error when run.

select spacecraft_name, journey_id from space_flights.catalog where spacecraft_name
=' "%mercury%"' ORDER BY journey_id;