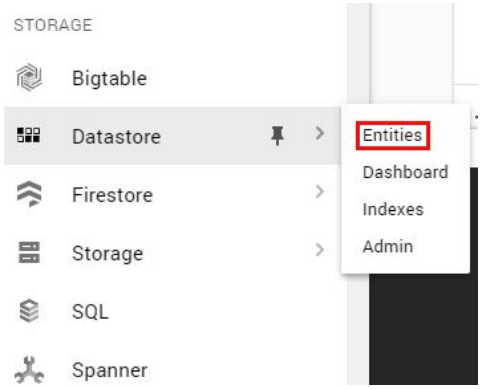
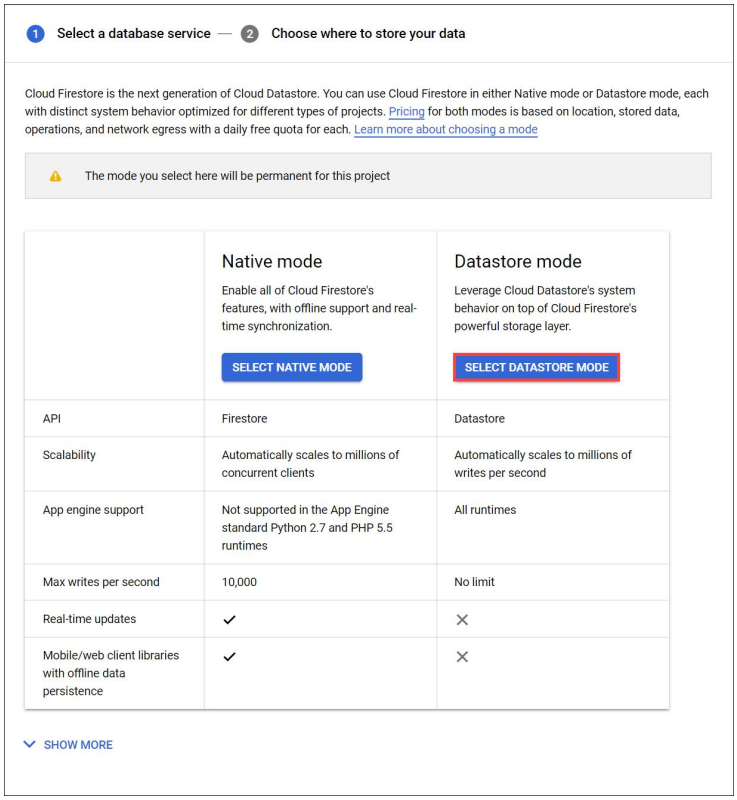
In order to practice exercises with Datastore (GCP NoSQL database), we show below the basic steps to populate table and practice queries on it.

Access to Datastore and enabled Datastore API

In left menu on the Console, Storage section, go to **Datastore > Entities**.



Under the Datastore mode column, click Select Datastore Mode.



Keep in mind, You cannot change the location after it has been saved.

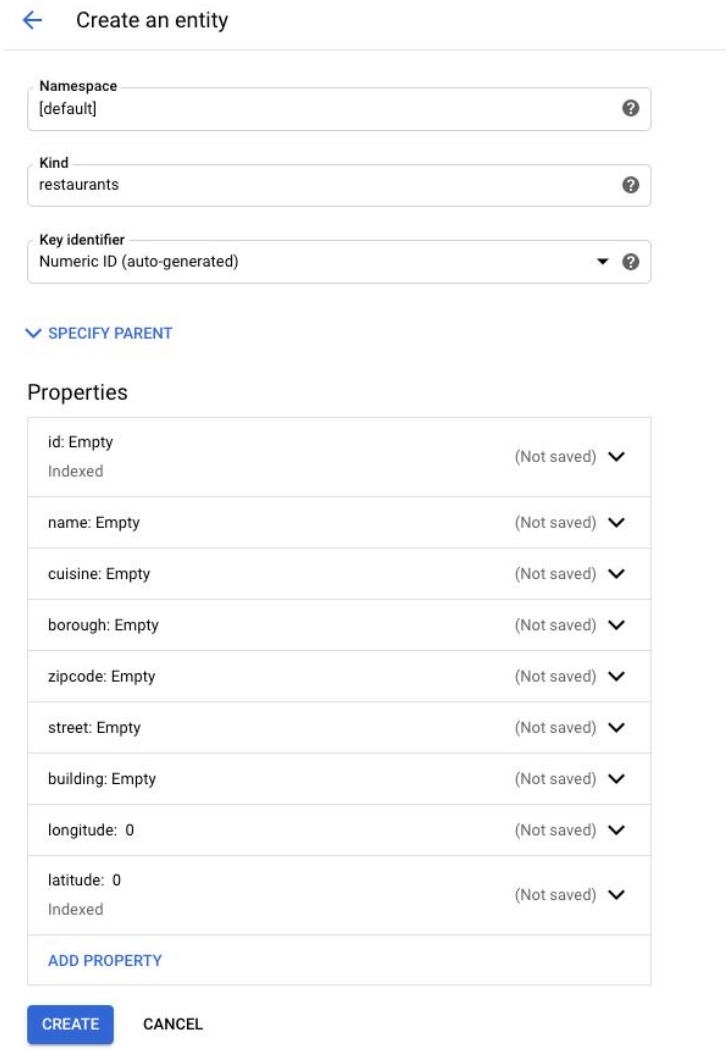
Click Create database.

Click Create Entity.

On the Create an entity page, use [default] for Namespace.

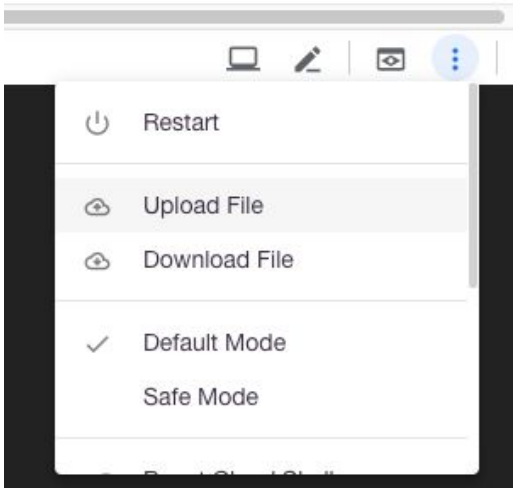
Type restaurants for **Kind**.

Under Properties use the Add property button to add these properties, and click Done after each one. Do not put Value, keep it Empty or default value.



NOTE: You need to set **Indexed** field in the fields for which you want to use for filter.
If you do not declare it, you cannot update the table.

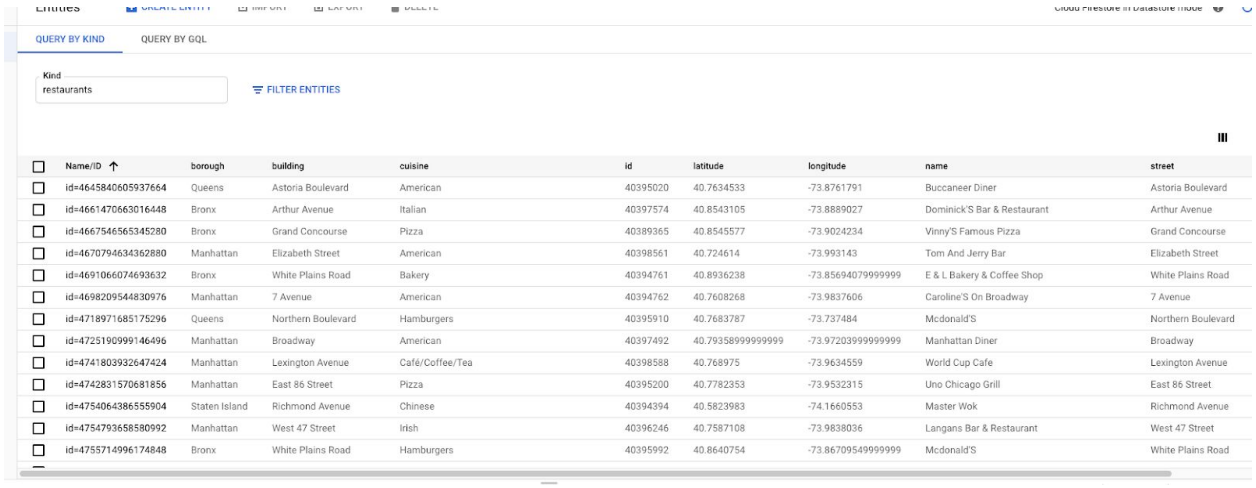
Open cloud shell and upload two files, **restaurants.json (in restaurants.zip)** and **restaurants-to-datastore.py**.



After upload files, execute following command in console.

```
student_00_e21efd4a03aa@cloudshell:~ (qwiklabs-gcp-00-39cb3df9d88f)$ python restaurants-to-datastore.py
```

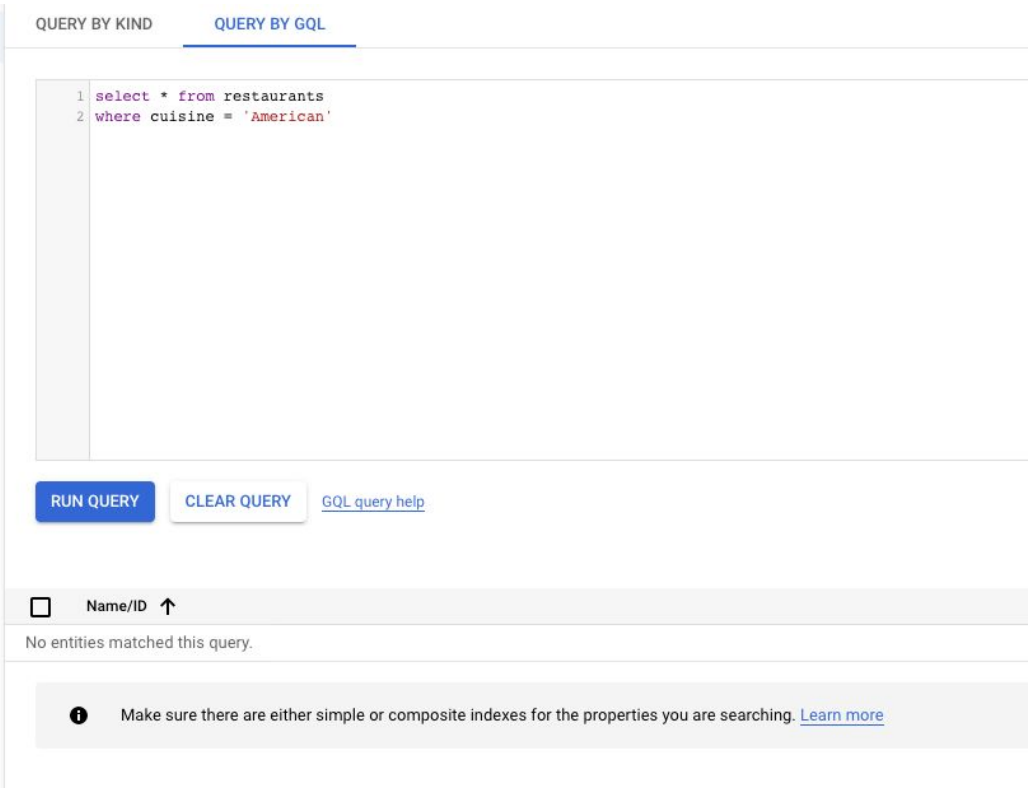
When the script has finished, you can check the data into the restaurants Entity.



Name/ID	borough	building	cuisine	id	latitude	longitude	name	street
id=4645840605937664	Queens	Astoria Boulevard	American	40395020	40.7634533	-73.8761791	Buccaneer Diner	Astoria Boulevard
id=4661470663016448	Bronx	Arthur Avenue	Italian	40397574	40.8543105	-73.8889027	Dominick'S Bar & Restaurant	Arthur Avenue
id=4667546565345280	Bronx	Grand Concourse	Pizza	40389365	40.8545577	-73.9024234	Vinny'S Famous Pizza	Grand Concourse
id=4670794634362880	Manhattan	Elizabeth Street	American	40398561	40.724614	-73.993143	Tom And Jerry Bar	Elizabeth Street
id=4691066074693632	Bronx	White Plains Road	Bakery	40394761	40.8936238	-73.85694079999999	E & L Bakery & Coffee Shop	White Plains Road
id=4698209544830976	Manhattan	7 Avenue	American	40394762	40.7608268	-73.9837606	Caroline'S On Broadway	7 Avenue
id=4718971685175296	Queens	Northern Boulevard	Hamburgers	40395910	40.7683787	-73.737484	Mcdonald'S	Northern Boulevard
id=4725190999146496	Manhattan	Broadway	American	40397492	40.79358999999999	-73.97203999999999	Manhattan Diner	Broadway
id=4741803932647424	Manhattan	Lexington Avenue	Café/Coffee/Tea	40398588	40.768975	-73.9634559	World Cup Cafe	Lexington Avenue
id=4742831570681856	Manhattan	East 86 Street	Pizza	40395200	40.7782353	-73.9532315	Uno Chicago Grill	East 86 Street
id=4754064386555904	Staten Island	Richmond Avenue	Chinese	40394394	40.5823983	-74.1660553	Master Wok	Richmond Avenue
id=4754793658580992	Manhattan	West 47 Street	Irish	40396246	40.7587108	-73.9838036	Langans Bar & Restaurant	West 47 Street
id=4755714996174848	Bronx	White Plains Road	Hamburgers	40395992	40.8640754	-73.86709549999999	Mcdonald'S	White Plains Road

Now, go to Query by GQL and run queries.

NOTE: If you try to execute some query when you do not define a field as an Index, you will see the following error:


QUERY BY KIND
QUERY BY GQL
1 select * from restaurants
2 where cuisine = 'American'
RUN QUERY
CLEAR QUERY
GQL query help
Name/ID
No entities matched this query.
Make sure there are either simple or composite indexes for the properties you are searching. Learn more