How to Set up Big Query?

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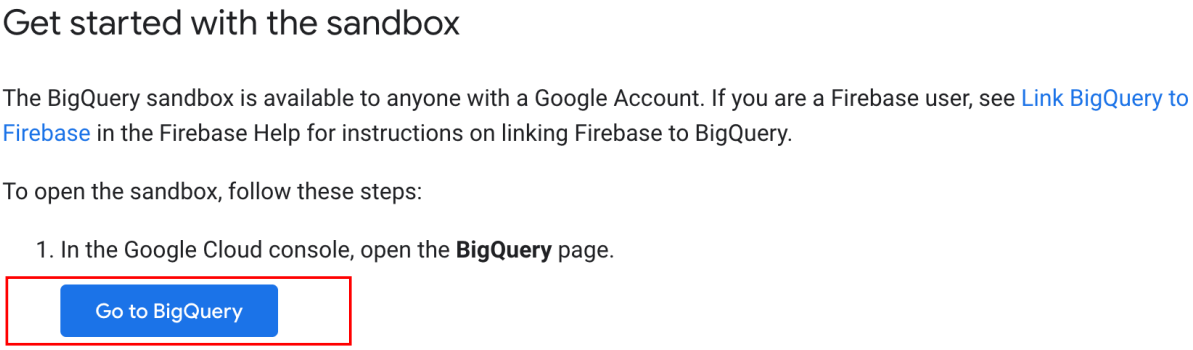
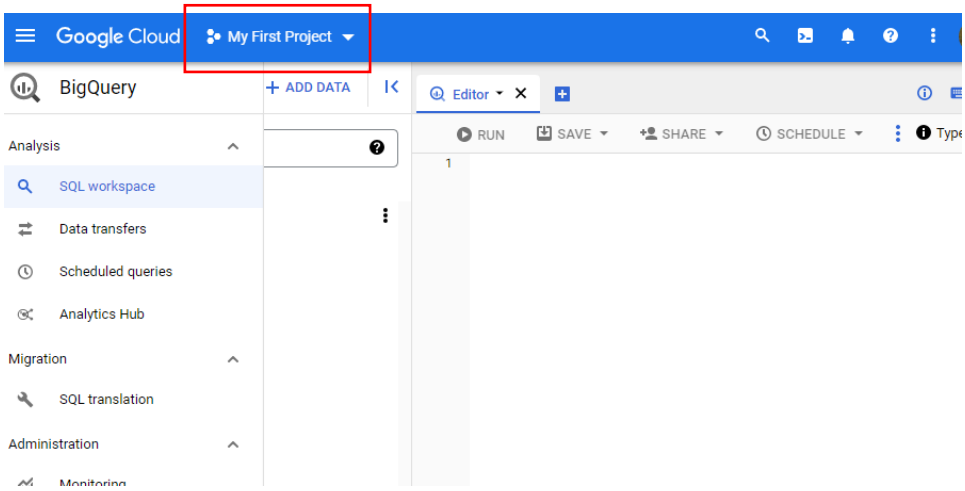
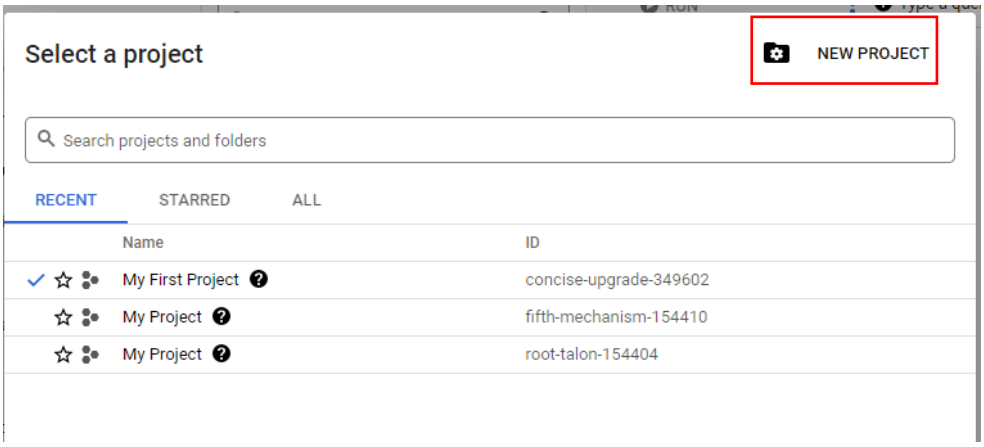
1. Make sure you are logged into your gmail account and Go to big Query by clicking on this link https://cloud.google.com/bigquery/docs/sandbox

   and click on the “Go to **BigQuery**”

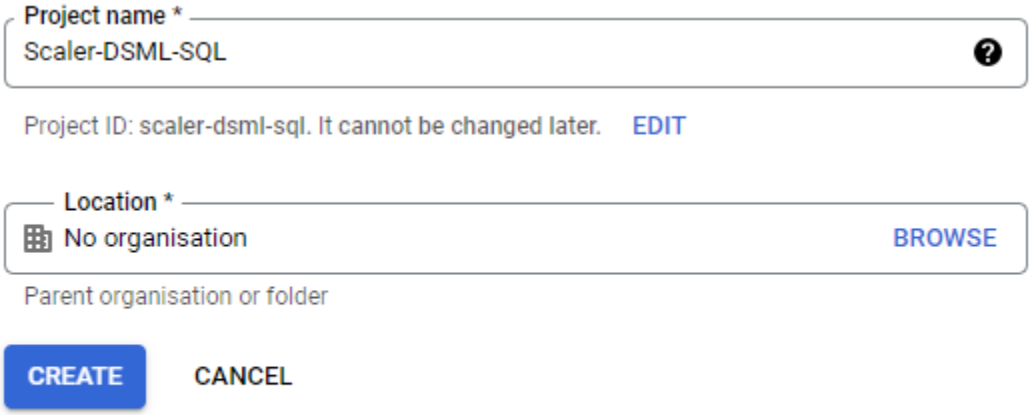
   
   

2. Click on “My first projects” and “New Project”

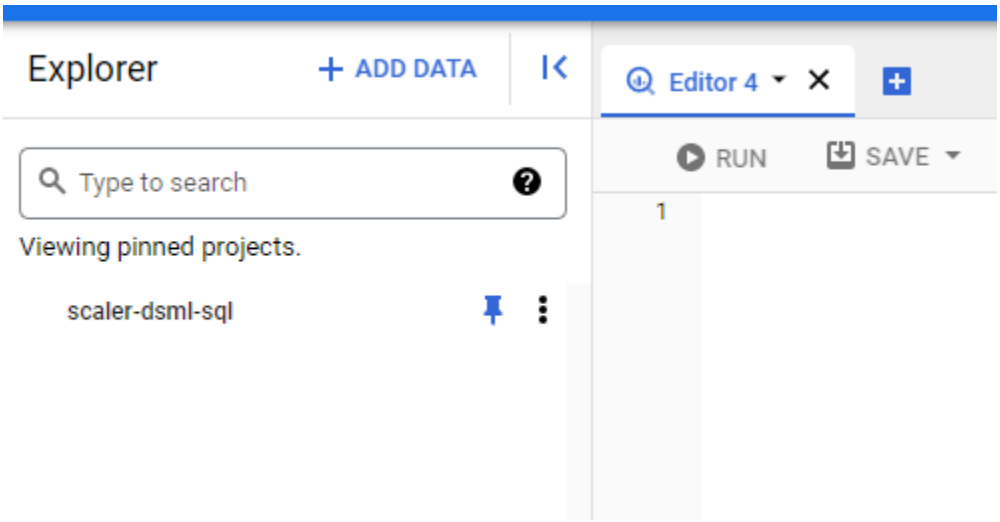
   
   



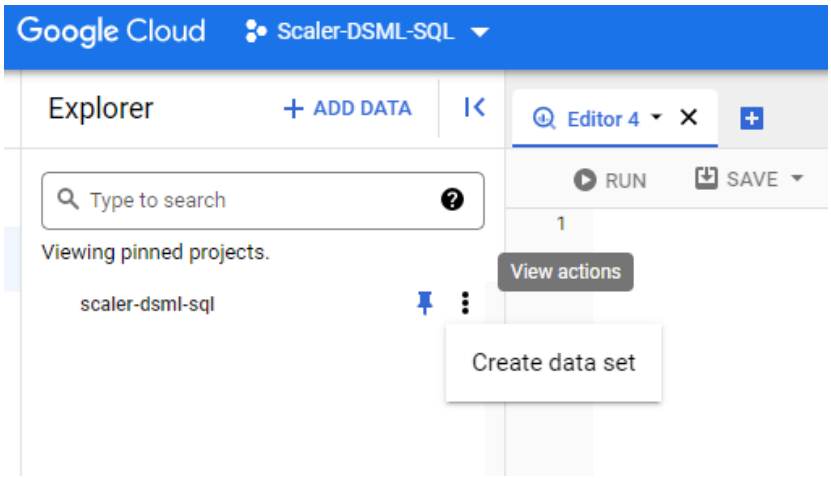

3. Give a name to your project and No organization under location and click create.



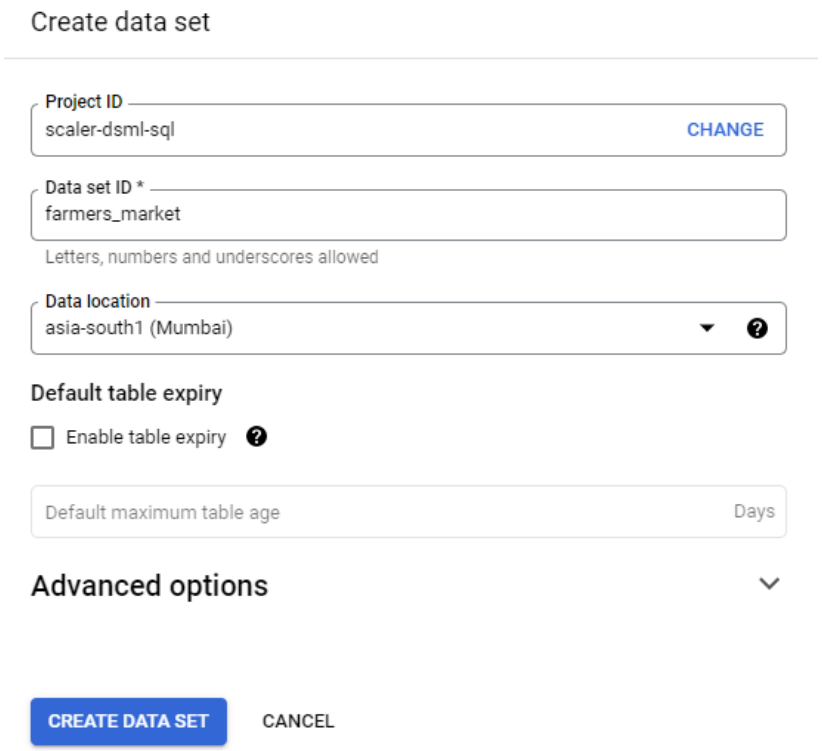

4. It might take few seconds to mins to create.



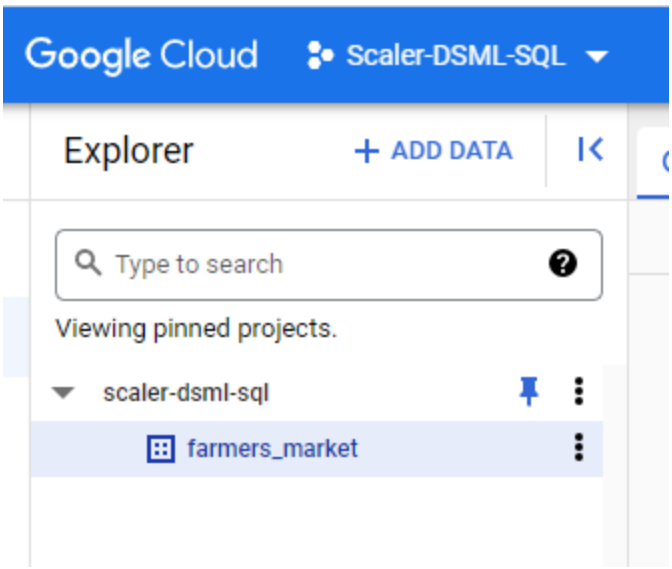

5. Once done you should be able to see the project you just created under the explorer.
6. Click on the 3 dots and “create data set”




7. The dataset ID is going to be the name of your DB. So we are going to be naming it as “farmers_market” and chose a location that is closest to your region (I chose Mumbai) and click create data set

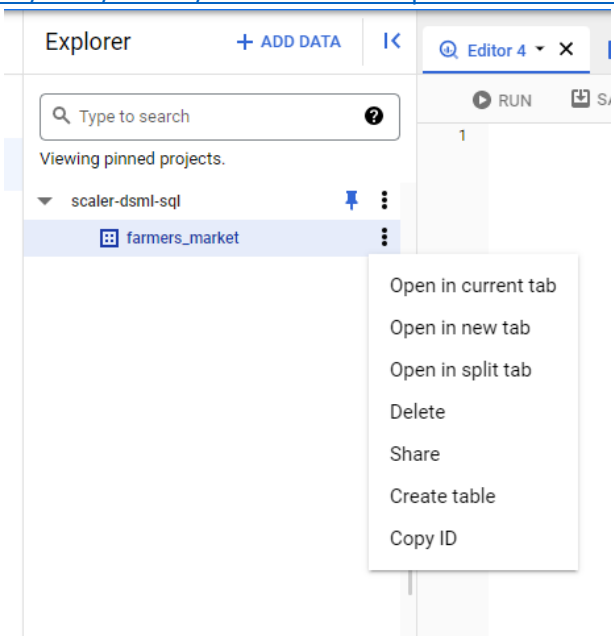



8. Now you can see the Database name under your project



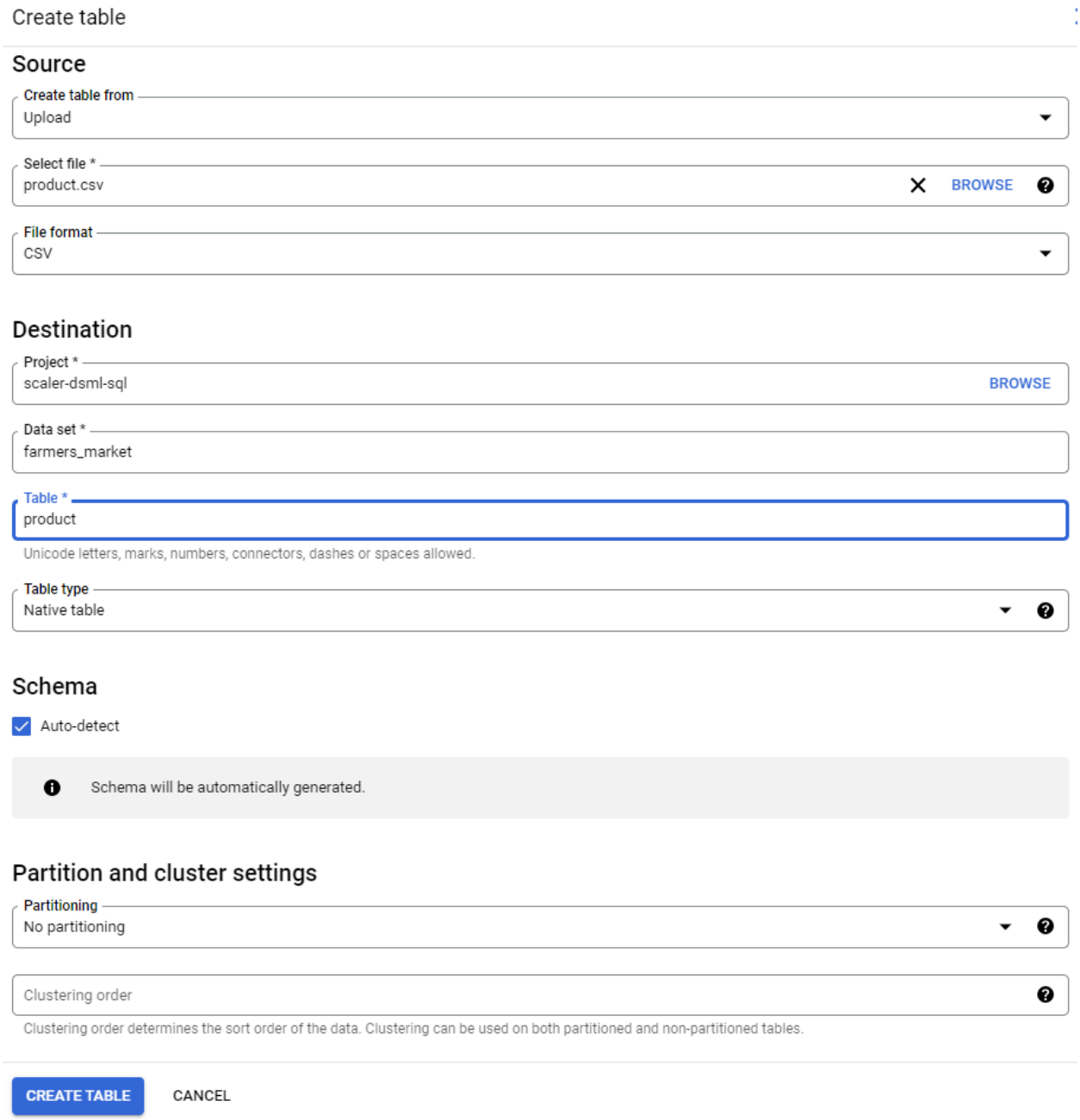

9. The DataBase is empty with no tables in it. We will have to upload all the tables that are required to run our queries.For the farmers_market DB we will have to upload all the tables that was shared as a csv file

10. **Adding tables to the DB**
    Download all the tables that are required from google drive.
    https://drive.google.com/drive/folders/1PJcWtaI2GUYOqYa6mLei8zNnSC83MkVR

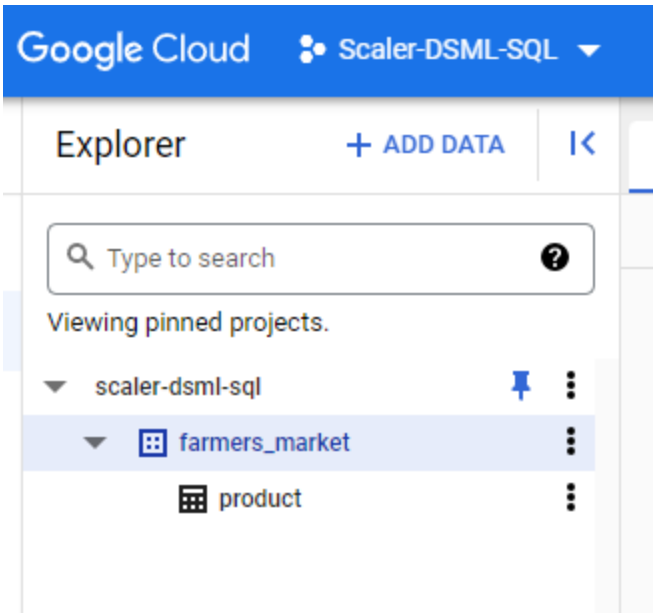



    a. Click on the 3 dots and select “Create table”
    b. Select “Upload” under the “Create table from”
    c. Upload the first table (i.e. product.csv as one of the table in the picture). File Format gets detected automatically

d. Destination: Project and Dataset will be auto-populated, So don't have to make any changes
e. Under the "Table", give the name of the table name. Please keep it same as the filename you upload (i.e. product).
f. Check the Auto-detect checkbox under "Schema".
g. We don't have to make any other changes and click "create Table"

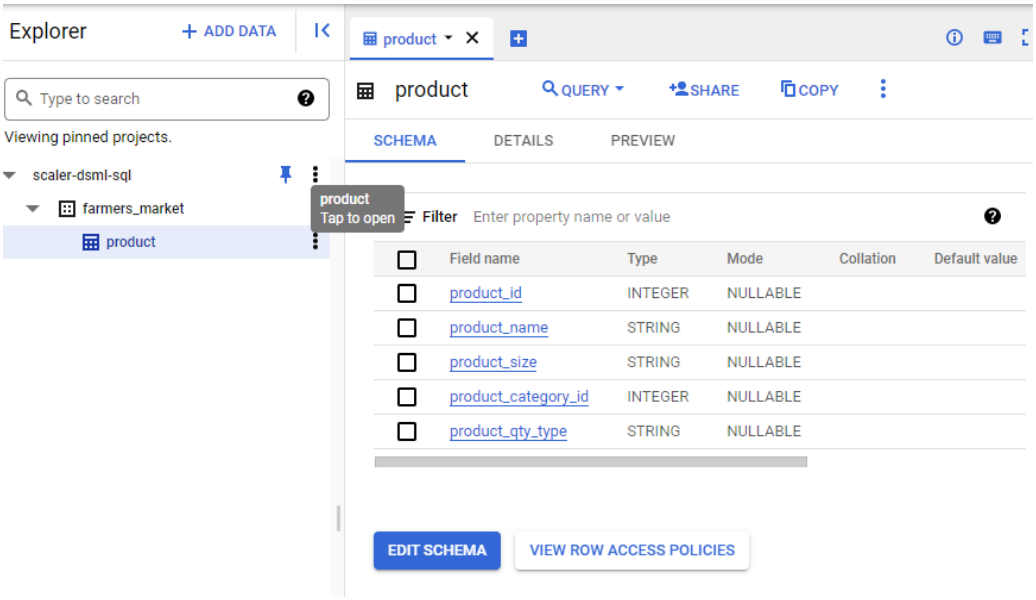



11. It might take a few seconds to create and you should be able to see the uploaded table in the Explorer under DB farmers_market

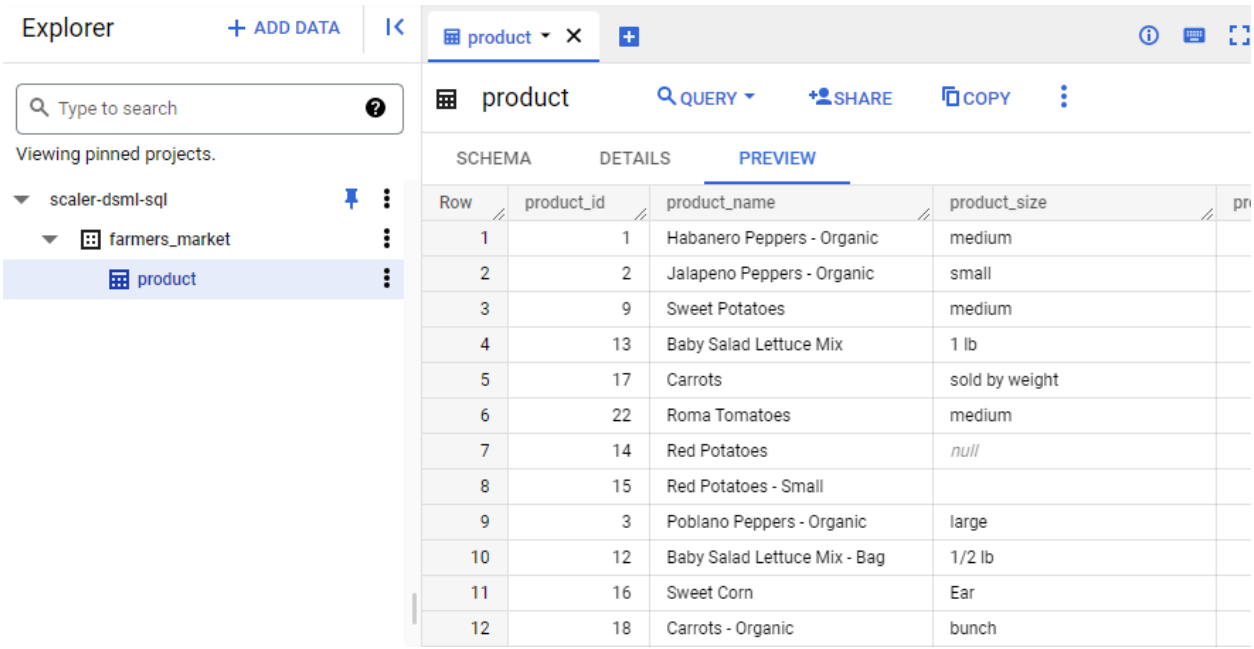



12. We will have to upload all the other tables that are required to run all the queries. Please follow the step 11 for each table that you want to upload.

13. When you click on the table you should be able to see the schema of the table, i.e all the names of the columns, their types, Nullable etc.

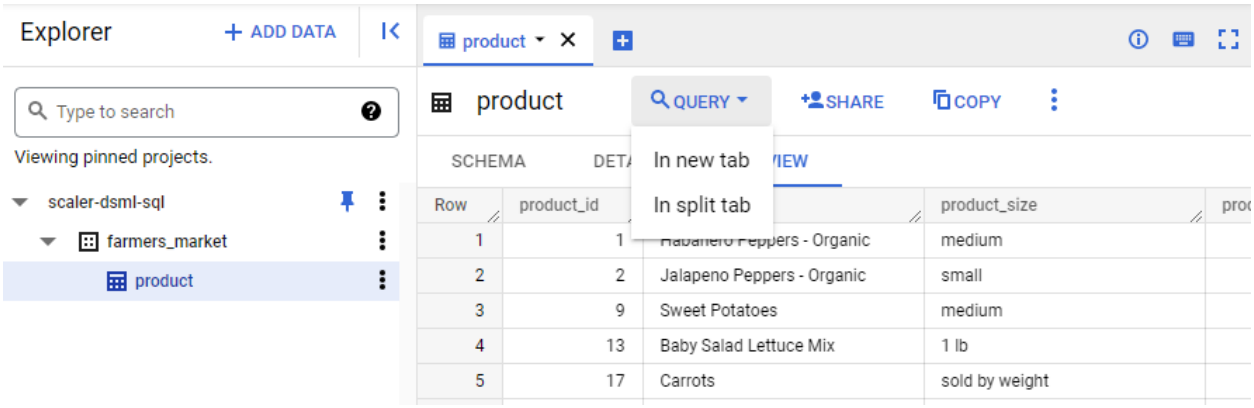



14. Under “Preview” you can have a quick look at the data




| Row | product_id | product_name | product_size |
|---|---|---|---|
| 1 | 1 | Habanero Peppers - Organic | medium |
| 2 | 2 | Jalapeno Peppers - Organic | small |
| 3 | 9 | Sweet Potatoes | medium |
| 4 | 13 | Baby Salad Lettuce Mix | 1 lb |
| 5 | 17 | Carrots | sold by weight |
| 6 | 22 | Roma Tomatoes | medium |
| 7 | 14 | Red Potatoes | *null* |
| 8 | 15 | Red Potatoes - Small | |
| 9 | 3 | Poblano Peppers - Organic | large |
| 10 | 12 | Baby Salad Lettuce Mix - Bag | 1/2 lb |
| 11 | 16 | Sweet Corn | Ear |
| 12 | 18 | Carrots - Organic | bunch |

15. You can start writing queries by clicking on the “Query” drop down on either a tab or split view.




| Row | product_id | | product_size |
|---|---|---|---|
| 1 | 1 | Habanero Peppers - Organic | medium |
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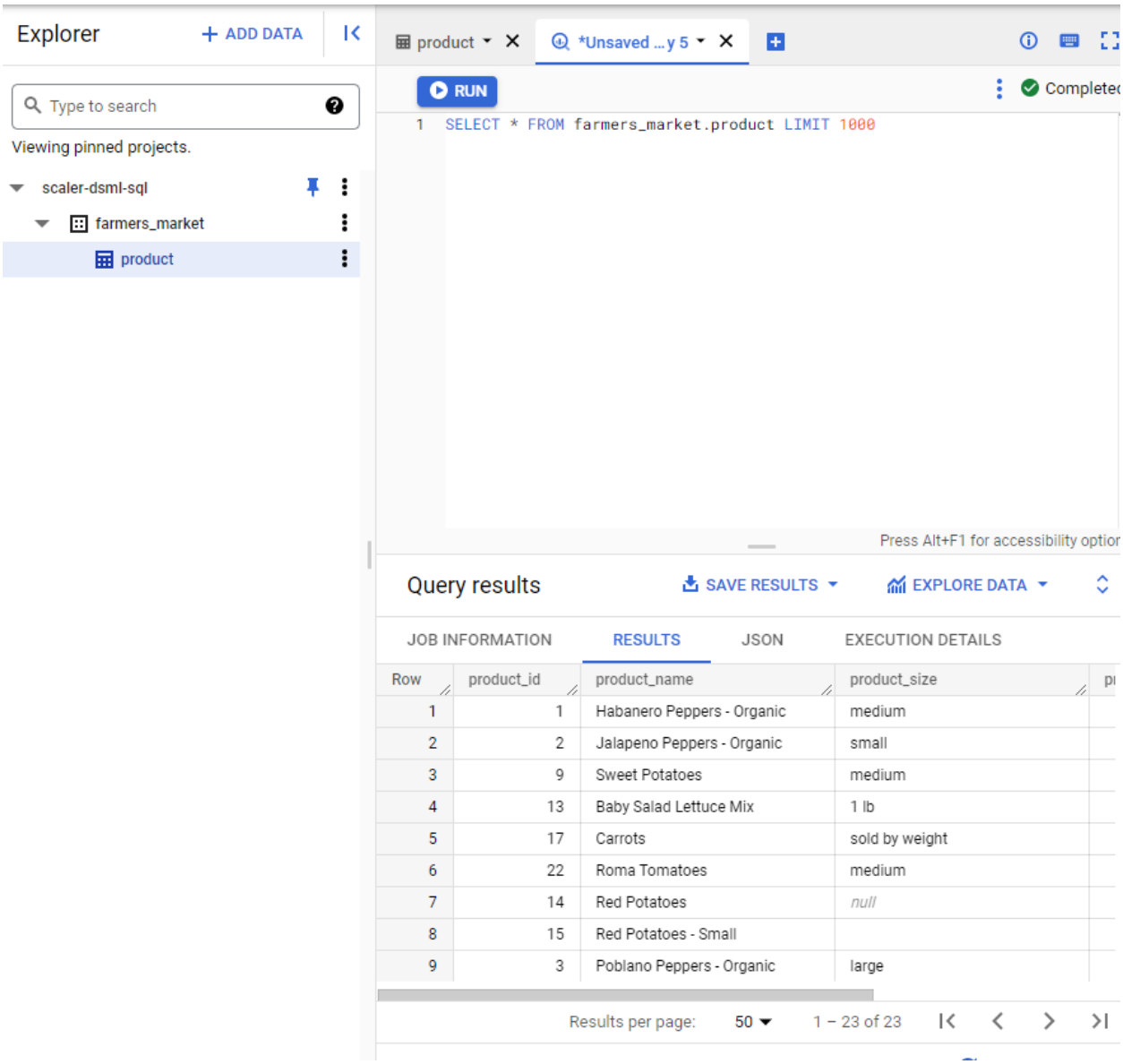
| 5 | 17 | Carrots | sold by weight |


Explorer
ADD DATA
Type to search
Viewing pinned projects.
scaler-dsml-sql
farmers_market
product
product
*Unsaved ...y 5
RUN
Completed
1 SELECT * FROM farmers_market.product LIMIT 1000
Press Alt+F1 for accessibility optior
Query results
SAVE RESULTS
EXPLORE DATA
JOB INFORMATION
RESULTS
JSON
EXECUTION DETAILS
Row product_id product_name product_size
1 1 Habanero Peppers - Organic medium
2 2 Jalapeno Peppers - Organic small
3 9 Sweet Potatoes medium
4 13 Baby Salad Lettuce Mix 1 lb
5 17 Carrots sold by weight
6 22 Roma Tomatoes medium
7 14 Red Potatoes null
8 15 Red Potatoes - Small
9 3 Poblano Peppers - Organic large
Results per page: 50
1 – 23 of 23