How to load the data from GCP to Snowflake Database?

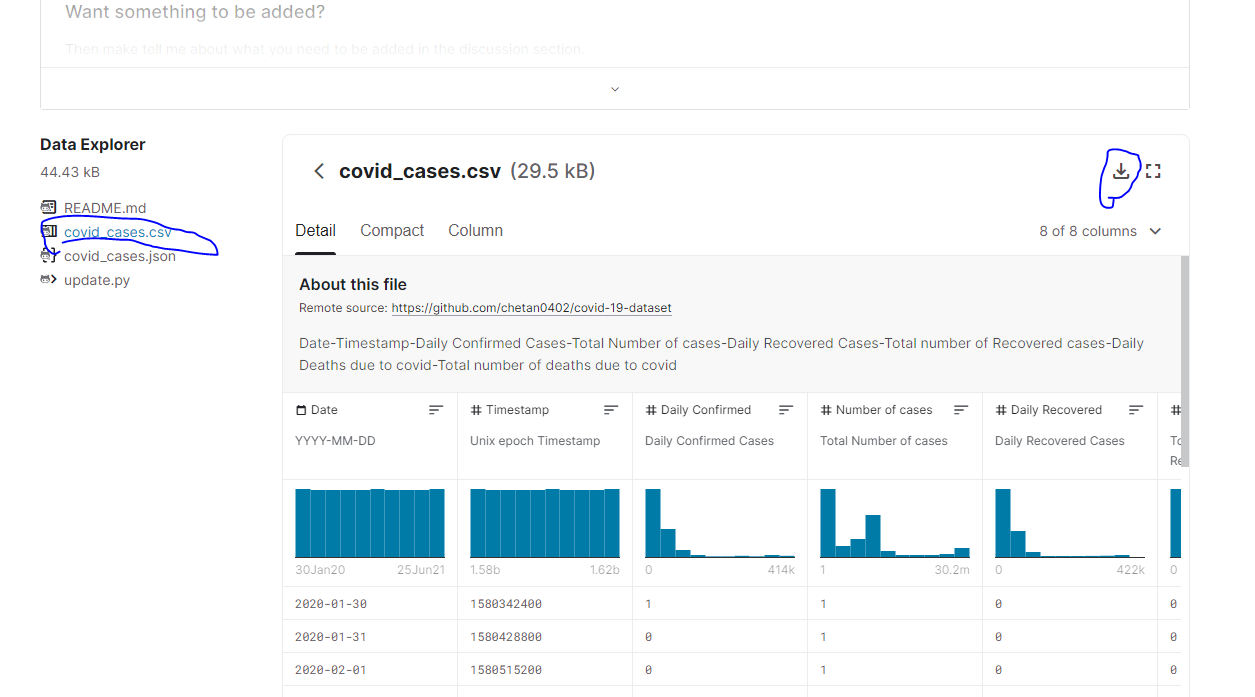
How to export data from Snowflake to GCP (unloading)?

Prerequisite :

Sample Data loading

Step 1 : go to <https://www.kaggle.com/chetansharma0402/covid19-data-of-india>

Select <https://www.kaggle.com/chetansharma0402/covid19-data-of-india?select=covid_cases.csv>



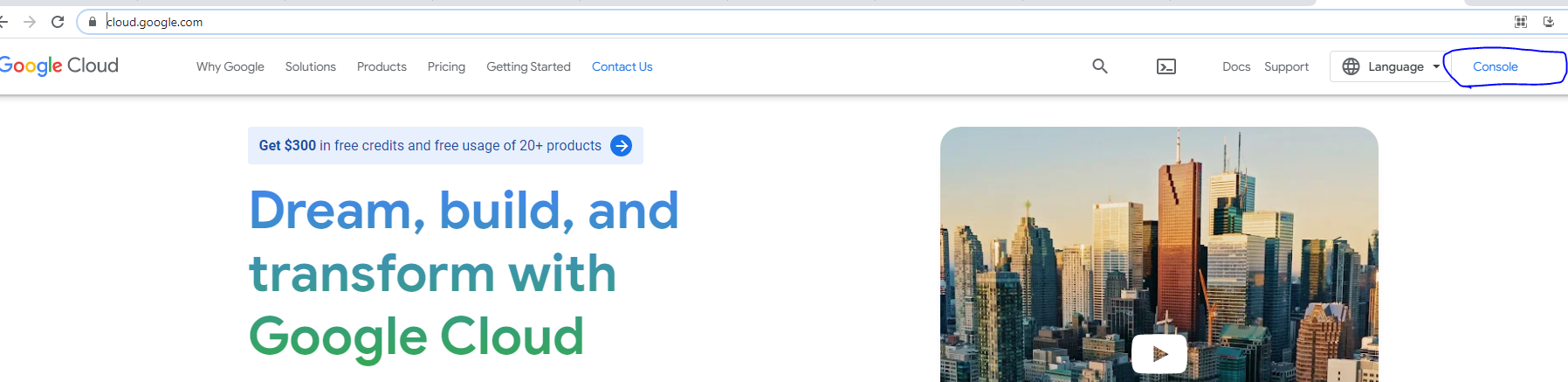
Download the file covid cases.

Step 2 :

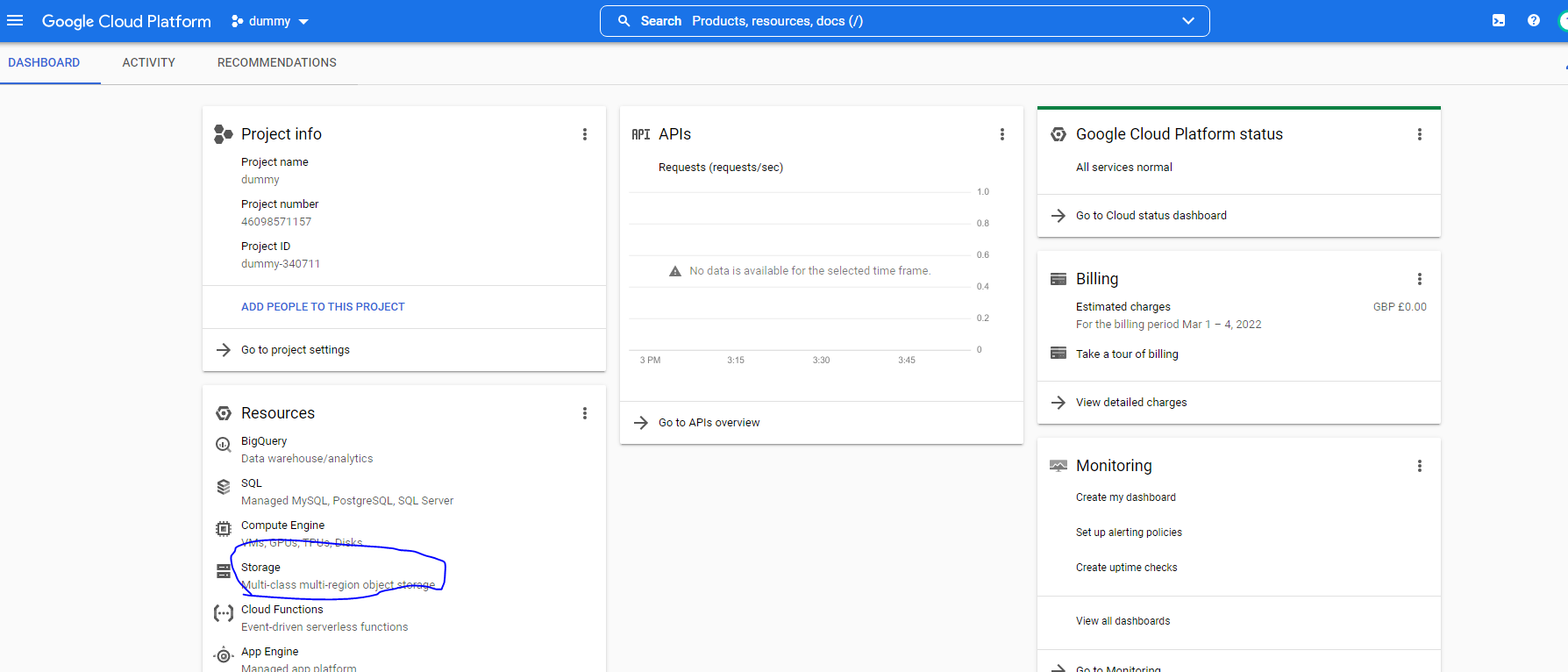
Place the file at GCP location

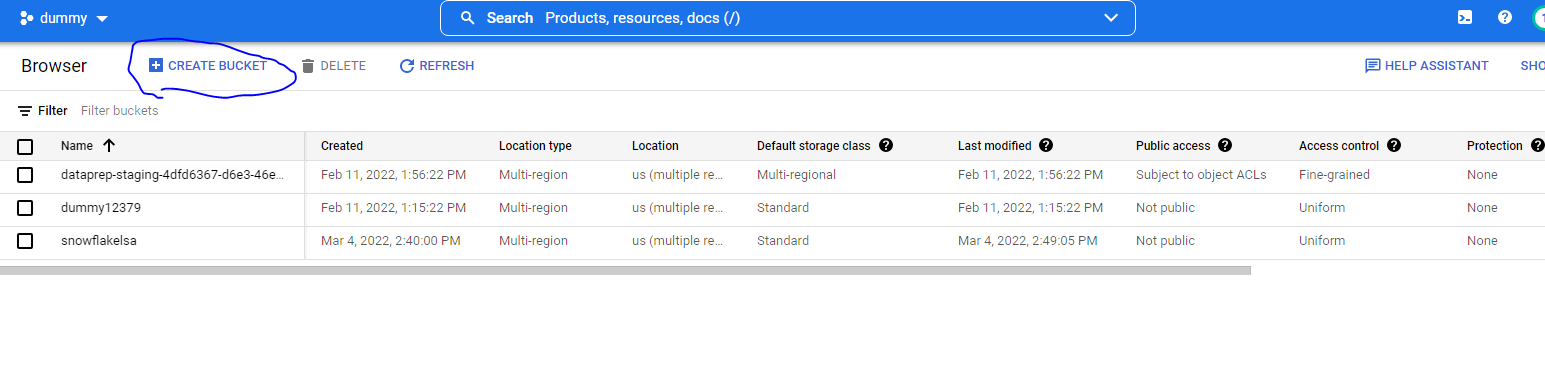
Go to <https://cloud.google.com/>

Go to console

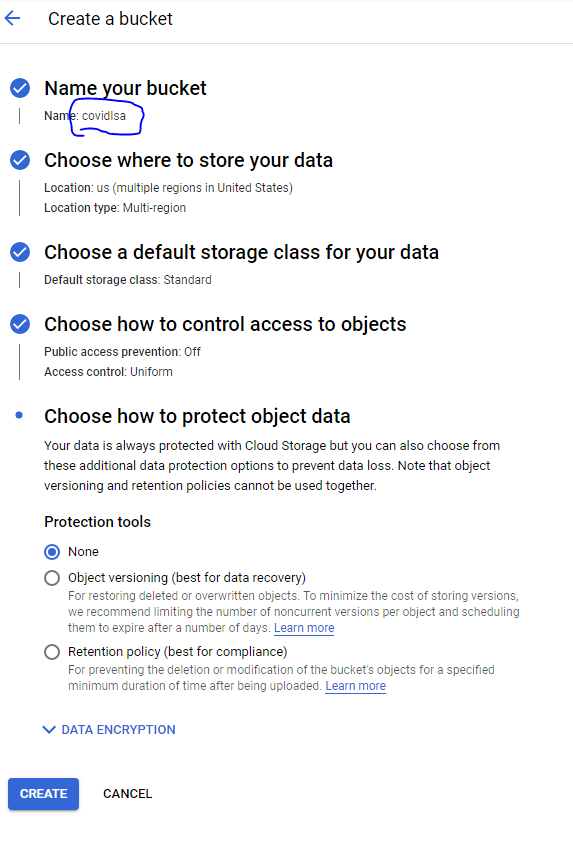


Go to storage

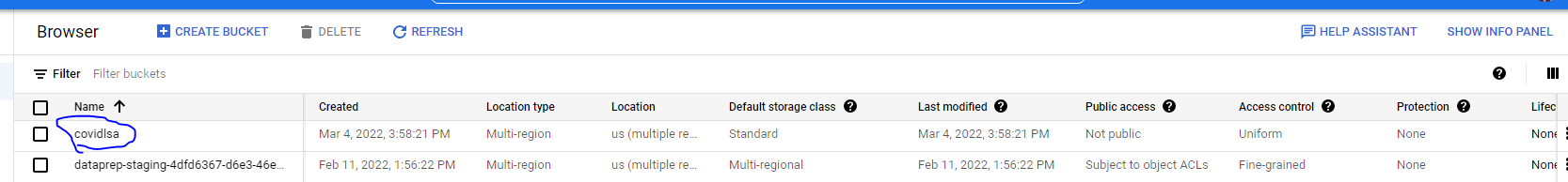




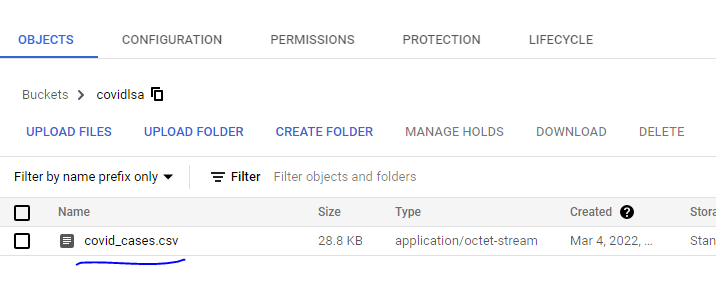
Give the name as Covidlsa and continue with the default steps.



And create it after the creation will show like this.



Place the file which we downloaded from the Kaggle.



Login to snowflake :

Jump to demo db and public schema and user as account admin.

Create the storage object

create or replace storage integration gcs\_covid\_data

type = external\_stage

storage\_provider = gcs

enabled = true

storage\_allowed\_locations = ('gcs://covidlsa');

describe the object

DESC INTEGRATION gcs\_covid\_data;

Create the file format object

create or replace file format covid\_cases\_file

type = csv field\_delimiter = ',' skip\_header = 1 null\_if = ('NULL', 'null') empty\_field\_as\_null = true;

describe the file format object

desc file format my\_csv\_format;

Create the stage object in the combination of file format and storage.

create or replace stage gcs\_data\_movement

storage\_integration = gcs\_covid\_data

url = 'gcs://covidlsa'

file\_format = covid\_cases\_file;

add the permission to GCS storage account with the snowflake user and password

execute the strage object and copy the below details.

DESC INTEGRATION gcs\_covid\_data;

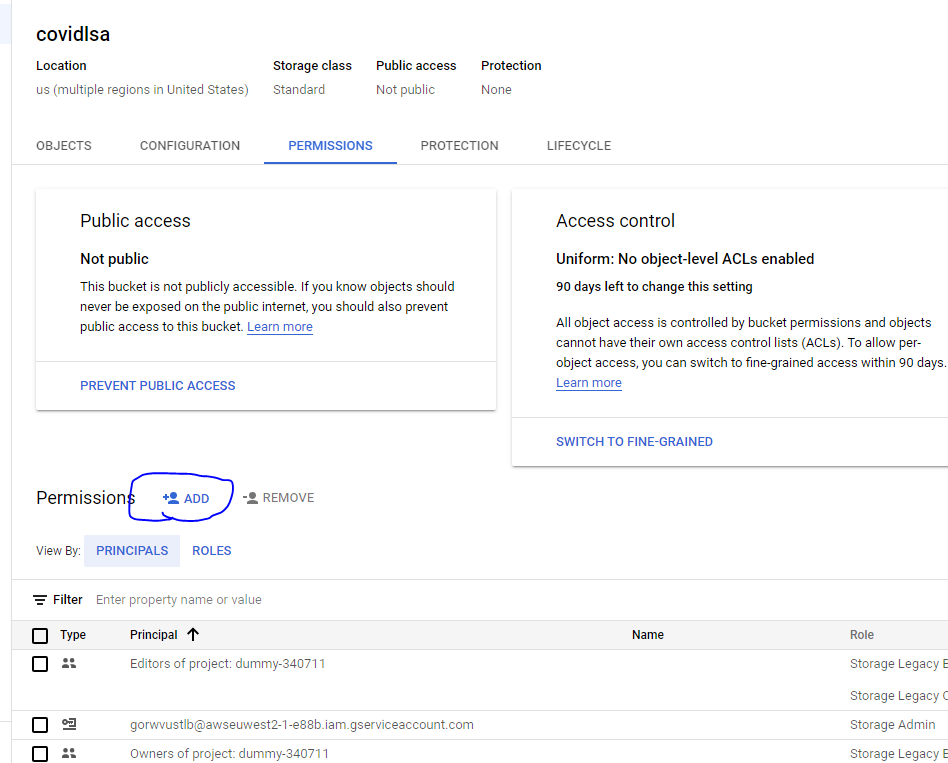


Copy the ~STORAGE\_GCP\_SERVICE\_ACCOUNT~ and place at GCP permission bucket.

Go to GCP console / storage

Select covidlsa and permission.

Click and paste the GCP storage details



Execute the below sql to retrieve the data

create or replace table covid\_cases as

select

t.$1 as Date,

current\_timestamp as Timestamp,

t.$3 as Daily\_Confirmed,

t.$4 as Number\_of\_cases,

t.$5 as Daily\_Recovered,

t.$6 as Total\_Recovered,

t.$7 as Daily\_Deceased,

t.$8 as Total\_Deceased

from @gcs\_data\_movement/ t;

select \* from covid\_cases ;