Snowflake Loading and Unloading Assignment

1. I have downloaded a sample country.csv file and Created a table called country and mentioned the field names and datatypes according to the csv file.

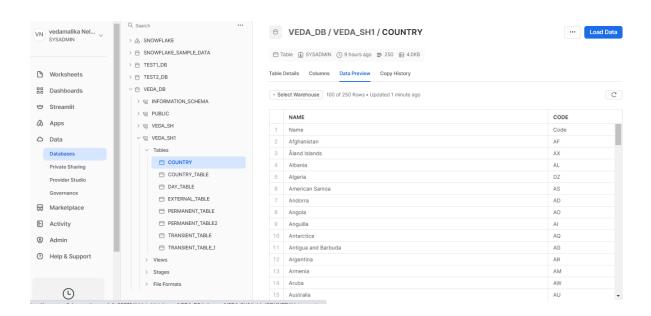
using Load wizard, I have loaded the data into the country table

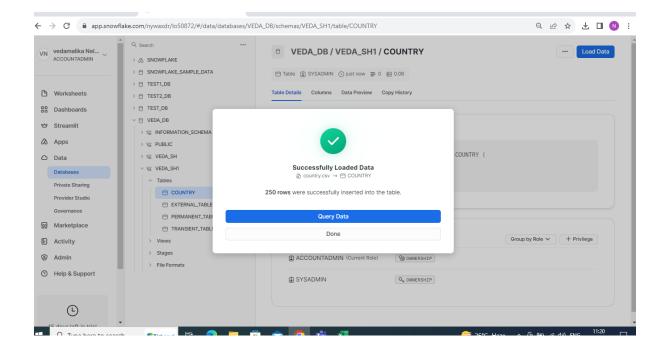
Query:-

```
create table country (
name varchar(200),
code varchar(200)
);
```

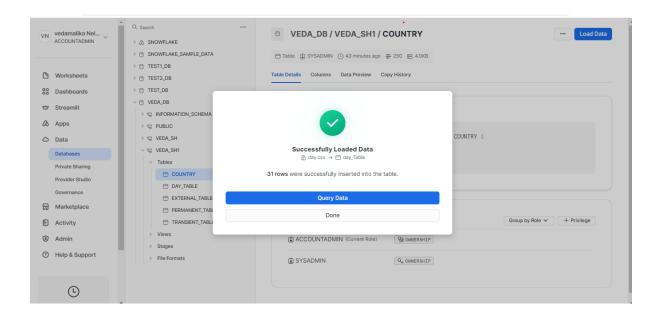
select * from country;

Data has been loaded into the country table successfully

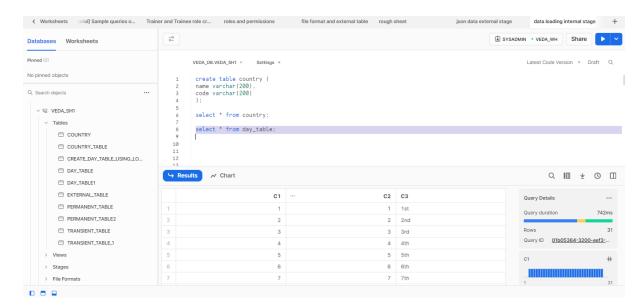




2. Now I have downloaded a sample day.csv file and using Load wizard, I have selected a create a new table and gave the name of the table as day_table and loaded the data into the table.



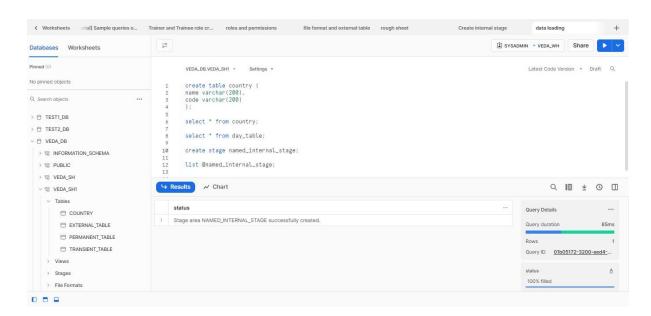
I have retrieved the data from day_table successfully



3. Named Internal Stage

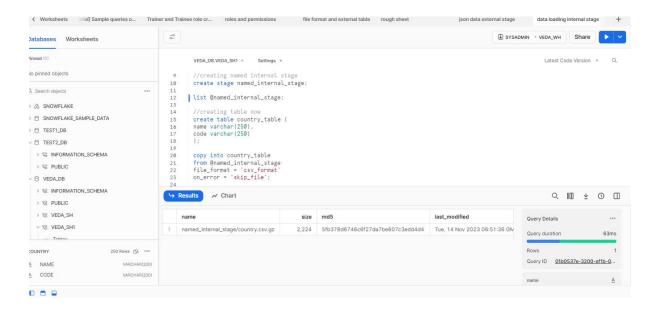
- Now I am creating named internal stage.
- using put command I am loading the country csv file which is present in my local machine to the named internal stage.
- Then later on I am checking whether the file is loaded into the stage or not.
- Then using copy into command, I am loading the data from stage to tables in schema.

Creating the stage:-

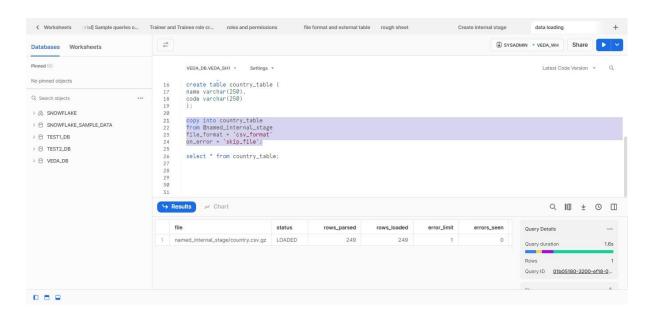


Put command:-

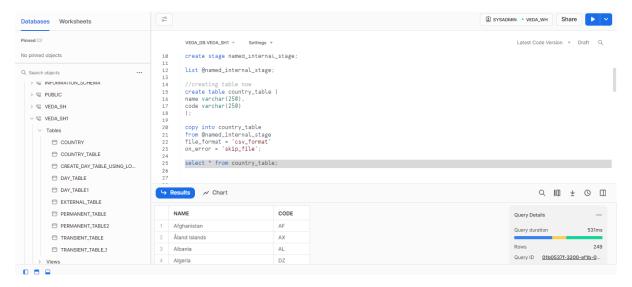
Listing the files in stage



Using copy into command



I have copied the data to table and Successfully retrieved data from country_table.

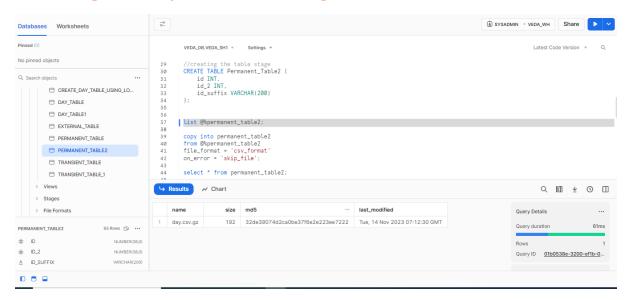


4. Table stage (internal)

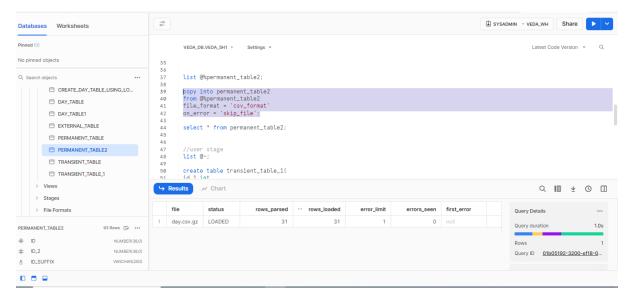
Now I am loading the csv file from local machine to table stage using put command.



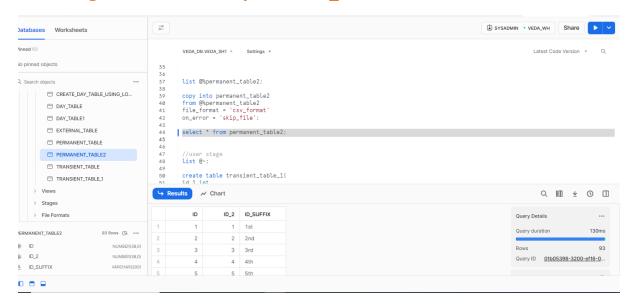
I am listing the files present in table stage



I am using the copy into command and loading the file from table stage to permanent_table



Retrieving the data from the permanent_table

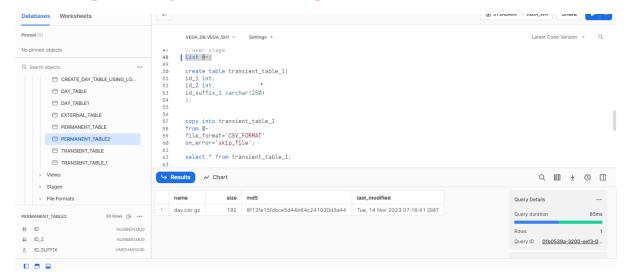


5. User stage

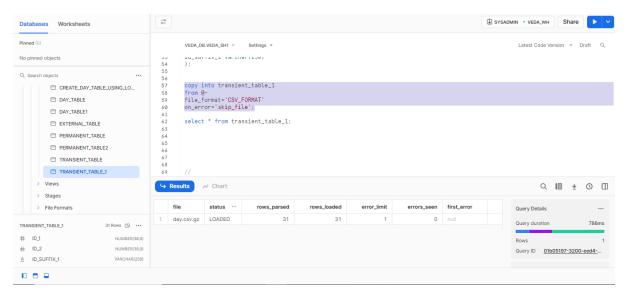
Now I am loading the csv file from local machine to user stage using put command.



I am listing the files present in user stage



I am using the copy into command and loading the file from user stage to permanent_table

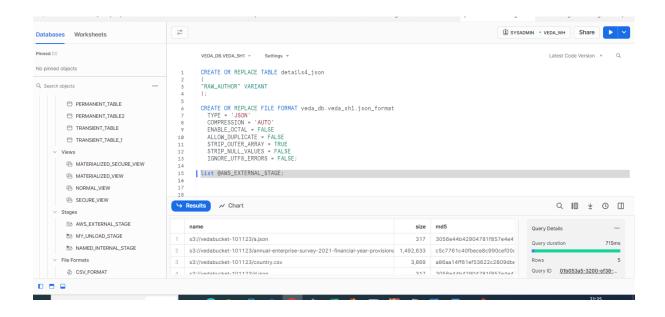


Retrieving the data from the transient_table_1

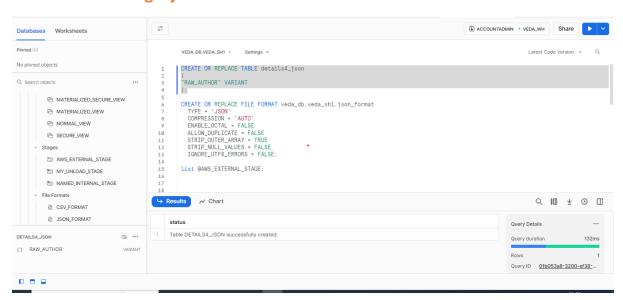


6. Loading the data using external stage

Now I have downloaded a sample json file and loaded the file into AWS external stage and now I am listing the files in s3 bucket



Now I am creating a json table



Now I am loading the data from external stage to json table using copy into command

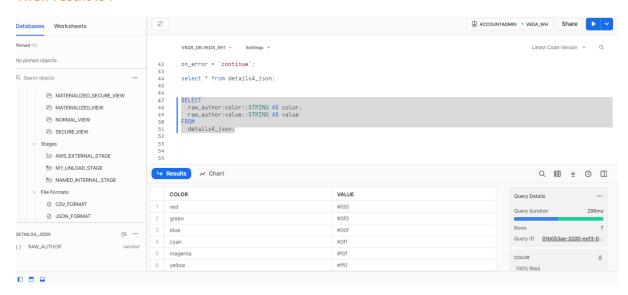


Now I am retrieving the data from json_table



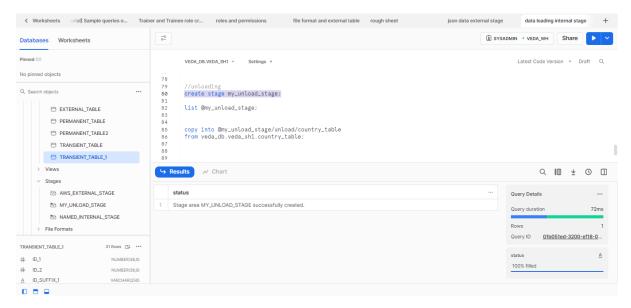
Now in tabular format We need to keep STRIP_OUTER_ARRAY = TRUE

Then result is :-

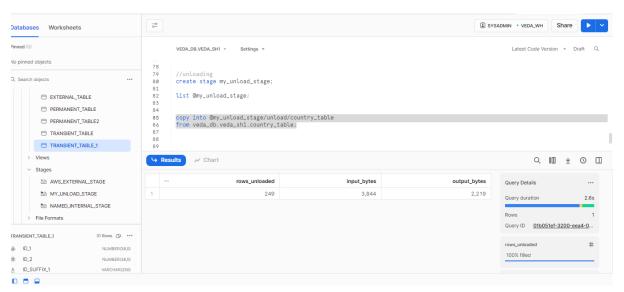


7. Data Unloading

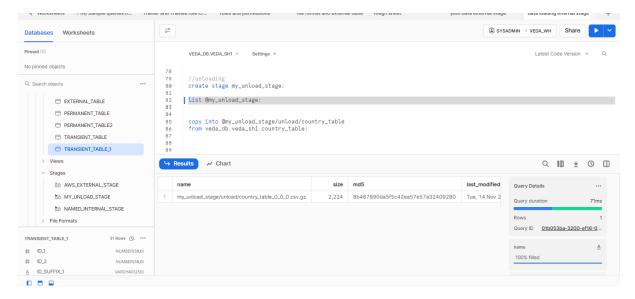
Now I am creating unload_stage



Then I am using copy into command and unloading the data into my_unload stage from table called country_table



Next I am listing the table in stage



Then I am unloading the file from my_unload_stage to local machine documents folder using "GET" command