

These are some screenshots of output and commands which I need to run in my local snowflake terminal.

- 1) This Role hierarchy which I created as I mentioned in question

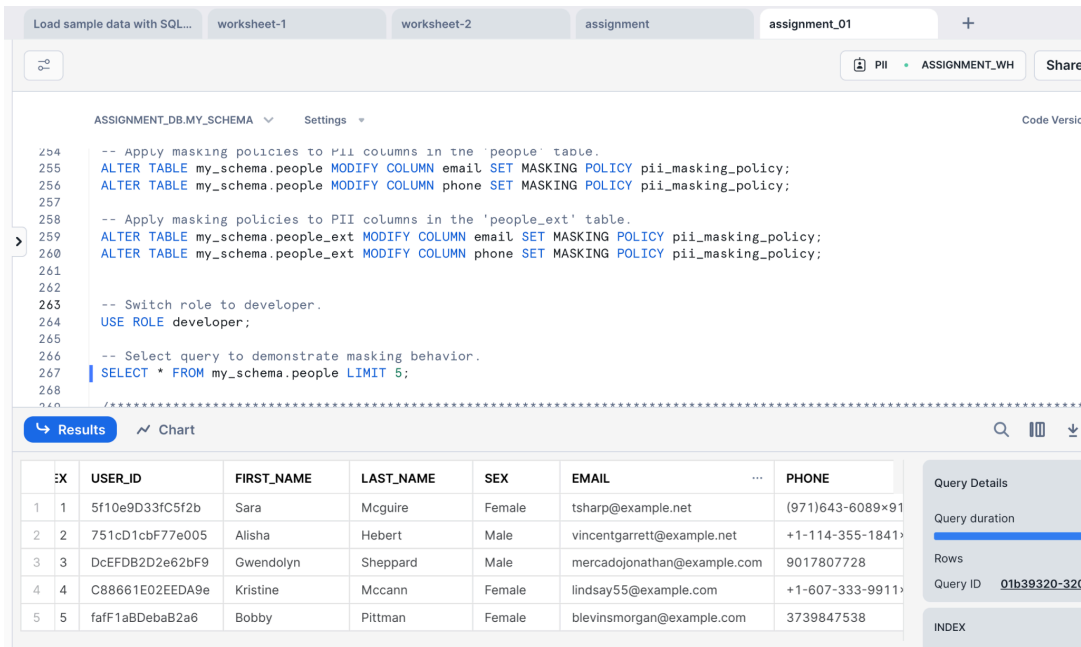


- 2) This is a screen shot of the PUT command that I need to run in my local snowflake terminal to bring my local file into the internal stage.

```
1 Row(s) produced. Time Elapsed: 2.598s
poornesh#COMPUTE_WH@ASSIGNMENT_DB.MY_SCHEMA>use role admin;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.203s
poornesh#COMPUTE_WH@ASSIGNMENT_DB.MY_SCHEMA>PUT file:///Users/poornesh/Downloads/people-10000.csv @your_internal_stage;
+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| people-10000.csv | people-10000.csv.gz | 1151457 | 0 | NONE | GZIP | SKIPPED | 
```

3) These are outputs after applying masking policy to tables.

With PII Role:



ASSIGNMENT\_DB.MY\_SCHEMA Settings Code Version

```
254 -- Apply masking policies to PII columns in the 'people' table.
255 ALTER TABLE my_schema.people MODIFY COLUMN email SET MASKING POLICY pii_masking_policy;
256 ALTER TABLE my_schema.people MODIFY COLUMN phone SET MASKING POLICY pii_masking_policy;
257
258 -- Apply masking policies to PII columns in the 'people_ext' table.
259 ALTER TABLE my_schema.people_ext MODIFY COLUMN email SET MASKING POLICY pii_masking_policy;
260 ALTER TABLE my_schema.people_ext MODIFY COLUMN phone SET MASKING POLICY pii_masking_policy;
261
262
263 -- Switch role to developer.
264 USE ROLE developer;
265
266 -- Select query to demonstrate masking behavior.
267 SELECT * FROM my_schema.people LIMIT 5;
268
```

Results Chart

IX	USER_ID	FIRST_NAME	LAST_NAME	SEX	EMAIL	PHONE
1	5f10e9D33fC5f2b	Sara	Mcguire	Female	tsharp@example.net	(971)643-6089x91
2	751cD1cbF77e005	Alisha	Hebert	Male	vincentgarrett@example.net	+1-114-355-1841x
3	DcEFD82D2e62bF9	Gwendolyn	Sheppard	Male	mercadojonathan@example.com	9017807728
4	C88661E02EEDA9e	Kristine	Mccann	Female	lindsay55@example.com	+1-607-333-9911x
5	fafF1aBDebaB2a6	Bobby	Pittman	Female	blevinsmorgan@example.com	3739847538

Query Details

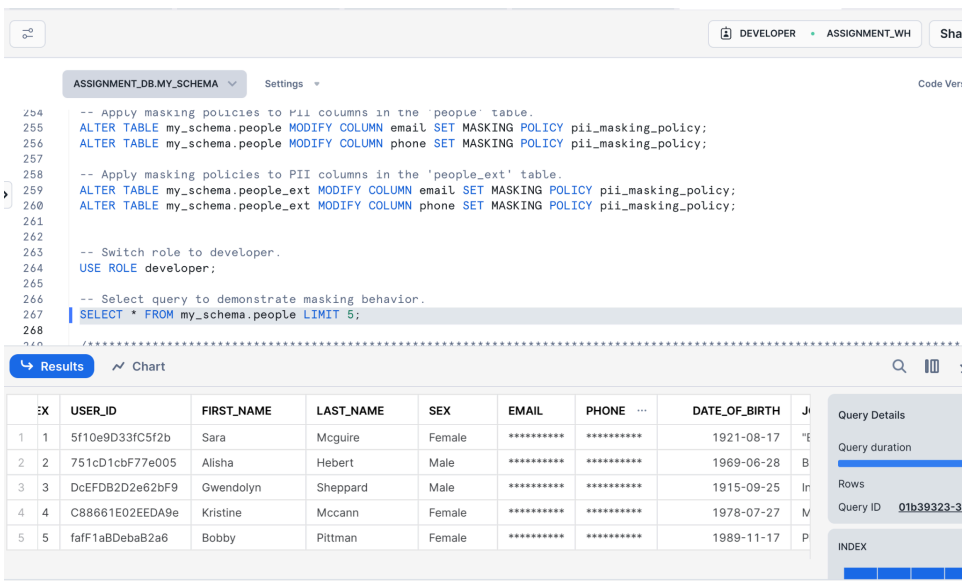
Query duration

Rows

Query ID 01b39320-320

INDEX

With developer role (masking applied to email and phone columns):



ASSIGNMENT\_DB.MY\_SCHEMA Settings Code Version

```
254 -- Apply masking policies to PII columns in the 'people' table.
255 ALTER TABLE my_schema.people MODIFY COLUMN email SET MASKING POLICY pii_masking_policy;
256 ALTER TABLE my_schema.people MODIFY COLUMN phone SET MASKING POLICY pii_masking_policy;
257
258 -- Apply masking policies to PII columns in the 'people_ext' table.
259 ALTER TABLE my_schema.people_ext MODIFY COLUMN email SET MASKING POLICY pii_masking_policy;
260 ALTER TABLE my_schema.people_ext MODIFY COLUMN phone SET MASKING POLICY pii_masking_policy;
261
262
263 -- Switch role to developer.
264 USE ROLE developer;
265
266 -- Select query to demonstrate masking behavior.
267 SELECT * FROM my_schema.people LIMIT 5;
268
```

Results Chart

IX	USER_ID	FIRST_NAME	LAST_NAME	SEX	EMAIL	PHONE	DATE_OF_BIRTH
1	5f10e9D33fC5f2b	Sara	Mcguire	Female	*****	*****	1921-08-17
2	751cD1cbF77e005	Alisha	Hebert	Male	*****	*****	1969-06-28
3	DcEFD82D2e62bF9	Gwendolyn	Sheppard	Male	*****	*****	1915-09-25
4	C88661E02EEDA9e	Kristine	Mccann	Female	*****	*****	1978-07-27
5	fafF1aBDebaB2a6	Bobby	Pittman	Female	*****	*****	1989-11-17

Query Details

Query duration

Rows

Query ID 01b39323-3

INDEX