

Snowsql Staging

- create database
- create schema
- create stage
- upload data into the stage then stage to the table
- query the top ten rated movies and store the results in temp table
- create temp table like below mentioned code;

create temporary table top Rated as

select top 10 from movies;

limit 10;

--① Use your existing warehouse

USE WAREHOUSE my_wh; -- Replace my_wh with your warehouse name

--② Create database and schema

CREATE OR REPLACE DATABASE movies_db;

CREATE OR REPLACE SCHEMA movies_sch;

```
KARISH006#COMPUTE_WH@(no database).(no schema)>USE WAREHOUSE MY_WH;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.266s
KARISH006#MY_WH@(no database).(no schema)>create or replace DATABASE movies_db;
+-----+
| status |
+-----+
| Database MOVIES_DB successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.219s
KARISH006#MY_WH@MOVIES_DB.PUBLIC>USE DATABASE MOVIES_DB;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.125s
KARISH006#MY_WH@MOVIES_DB.PUBLIC>create or replace SCHEMA movies_sch;
+-----+
| status |
+-----+
| Schema MOVIES_SCH successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.234s
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>USE SCHEMA MOVIES_SCH;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.141s
```

--③ Create a stage for CSV files

```
CREATE OR REPLACE STAGE movie_stage
  FILE_FORMAT = (
    TYPE = 'CSV',
    FIELD_OPTIONALLY_ENCLOSED_BY = '',
    SKIP_HEADER = 1
  );
```

--④ Create the movies table

```
create or replace table movies_table(
  movie_title STRING,
  rating FLOAT,
  review_date DATE,
  reviewer_name STRING,
  comments String);
```

```
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>create or replace stage movie_stage
                                     FILE_FORMAT=(TYPE = 'CSV' FIELD_OPTIONALLY_ENCLOSED_BY = '' SKIP_HEADER = 1);
+-----+
| status |
+-----+
| Stage area MOVIE_STAGE successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 1.937s
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>create or replace table movies_table(
                                     movie_title STRING,
                                     rating FLOAT,
                                     review_date DATE,
                                     reviewer_name STRING,
                                     comments String);
+-----+
| status |
+-----+
| Table MOVIES_TABLE successfully created. |
+-----+
```

--⑤ Upload CSV from your computer to the stage

-- Run this command from your local SnowSQL prompt, NOT inside SQL editor:

-- (Make sure to replace the file path with your actual location)

PUT file://C:\path\to\movies.csv @movie_stage;

```
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>PUT File://C:/Users/karis/Downloads/Movies_Data.csv @movie_stage;
```

source	target	source_size	target_size	source_compression	target_compression	status	message
Movies_Data.csv	Movies_Data.csv.gz	281442	39536	NONE	GZIP	UPLOADED	

1 Row(s) produced. Time Elapsed: 3.047s

```
--LIST @movie_stage;
```

is used to **see the files currently stored in your stage** (@movie_stage in this case)
verify that your file is really there before loading it into a table.

```
--⑥ Load data from stage into table
```

```
COPY INTO movies
```

```
FROM @movie_stage
```

```
FILE_FORMAT = (TYPE = 'CSV' FIELD_OPTIONALLY_ENCLOSED_BY = '' SKIP_HEADER = 1);
```

```
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>list @movie_stage;
```

name	size	md5	last_modified
movie_stage/Movies_Data.csv.gz	39536	17f57b033d3820f35f05df1adf8c8303	Tue, 12 Aug 2025 09:43:24 GMT

1 Row(s) produced. Time Elapsed: 0.219s

1 Row(s) produced. Time Elapsed: 0.219s

```
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>COPY into MOVIES_TABLE from @movie_stage
```

```
FILE_FORMAT = (TYPE = 'CSV' FIELD_OPTIONALLY_ENCLOSED_BY = '' SKIP_HEADER = 1);
```

file	status	rows_parsed	rows_loaded	error_limit	errors_seen	first_error	first_error_line	first_error_character	first_error_column_name
movie_stage/Movies_Data.csv.gz	LOADED	1000	1000	1	0	NULL		NULL	NULL

1 Row(s) produced. Time Elapsed: 5.094s

```
--⑦ Create temporary table for top 10 rated movies
```

```
CREATE OR REPLACE TEMPORARY TABLE topRated AS
```

```
SELECT *
```

```
FROM movies
```

```
ORDER BY rating DESC
```

```
LIMIT 10;
```

```

Syntax error line 2 at position 14 unexpected FROM .
KARISH006#MY_WH@MOVIES_DB.MOVIES_SCH>create or replace TEMPORARY TABLE topRated as
                                     Select * from MOVIES_TABLE ORDER BY rating DESC limit 10;
+-----+
| status |
+-----+
| Table TOP_RATED successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 2.516s

```

```

KARISH006#MY_WH@MOVIES.DB.MOVIES_SCH>SELECT * FROM TOP_RATED;
+-----+-----+-----+-----+-----+
| MOVIE_TITLE | RATING | REVIEW_DATE | REVIEWER_NAME | COMMENTS |
+-----+-----+-----+-----+-----+
| Devil in the Flesh | 10 | 2022-11-23 | Ethe Barnett | Nam congue, risus semper porta volutpat, quam pede lobortis ligula, sit amet eleifend pede libero quis orci. Nullam molestie nibh in lectus. Pellentesque at nulla. Suspendisse potenti. Cras in purus eu magna vulputate luctus. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. |
| Execution of P, The (Kinatay) | 10 | 2022-03-09 | Albie Mosen | Curabitur convallis. Duis consequat dui nec nisi volutpat eleifend. Donec ut dolor. Morbi vel lectus in quam fringilla rhoncus. Mauris enim leo, rhoncus sed, vestibulum sit amet, cursus id, turpis. Integer aliquet, massa id lobortis convallis, tortor risus dapibus augue, vel accumsan tellus nisi eu orci. Mauris lacinia sapien quis libero. |
| Salon Kitty | 10 | 2022-06-19 | Saudra Plackstone | In tempor, turpis nec euismod scelerisque, quam turpis adipiscing lorem, vitae mattis nibh ligula nec sem. Duis aliquam convallis nunc. Proin at turpis a pede posuere nonummy. Integer non velit. Donec diam neque, vestibulum eget, vulputate ut, ultrices vel, augue. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec pharetra, magna vestibulum aliquet ultrices, eget tortor sollicitudin mi, sit amet lobortis sapien sapien non mi. Integer ac neque. Duis bibendum. |
| Talent for the Game | 10 | 2022-12-12 | Rufe Trow | Donec ut dolor. Morbi vel lectus in quam fringilla rhoncus. Mauris enim leo, rhoncus sed, vestibulum sit amet, cursus id, turpis. |
| Ordet (Word, The) | 9.9 | 2021-03-17 | Morgan Levay | Integer ac neque. Duis bibendum. |
| Who Wants to Kill Jessie? (Kdo chce zabít Jessii?) | 9.9 | 2020-07-22 | Dorena Strewthers | Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin risus Praesent lectus. Vestibulum quam sapien, varius ut, blandit non, interdum in, ante. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis faucibus accumsan odio. Curabitur convallis. |
| Hour of the Gun | 9.9 | 2021-07-21 | Lelia McKevitt | Morbi sem mauris, laoreet ut, rhoncus aliquet, pulvinar sed, nisl. Nunc rhoncus dui vel sem. Sed sagittis. Nam congue, risus semper porta volutpat, quam pede lobortis ligula, sit amet eleifend pede libero quis orci. |
| Spy Game | 9.9 | 2020-10-29 | Barn Camerati | Proin risus. |

```

