

## Develop ELT and Staging in Snowflake

For this assignment you will take a series of screenshots and respond to questions in the following document. For modules 5 – 8 you will be expected to fill out similar docs for peer reviews. Peer reviews are a great way to accelerate your understanding of the work you are doing in complex scenarios such as building a BI system. Follow the prompt below and submit this doc as a peer review prior to submitting it for grading.

For this assignment you are performing the extract and load steps by hand. Please provide information for the following.

### Questions

- Name of your database: I
  - MT577\_DW\_NICHOLAS\_FANG
- What went well for you?
  - The IT sessions was really helpful in learning the steps of creating a database and in learning how to stage tables and load data. The most annoying part of it was the lack of order in the IT session videos, it was really confusing having to switch between different videos and finding timestamps to watch the videos in the correct order.
- What didn't go well?
  - Creating the tables was the most difficult part of the assignment, solely because once you created the tables you would not be able to edit them. I learned the hard way that saving the SQL code is essential. That way you can copy and paste an edited SQL iteration of the same action and skip the previously time-consuming task of adding table headers and data types by hand.
- Did you learn something significant to share with your peers?
  - Save the SQL code. It will save you time when you want to re-recreate certain functions or if you have to create a new table/view/schema when snowflake does not let you edit them. It would also be nice to understand the datatypes and data that you do have before having to load the data into snowflake. If possible, check the data files and ensure integrity of data before doing anything.
- Do you have any tips or tricks to share with the class?
  - Above mentioned saving SQL code is the most important tip or trick I could share. Not only is it good coding hygiene/practice, but it will also save you time when you need to recreate something. It's also good practice of using SQL because SQL queries are very important to learn for any job that requires EDA.

### Screenshots

- Screenshot your database in Snowflake. Make sure it includes the Staging tables

Enjoy your free trial! Visit our documentation to learn more about using Snowflake or contact our support team with any questions.

**Databases** | Shares | Data Marketplace | Warehouses | Worksheets | History | Account

Partner Connect | Help | Notifications | Snowsight | NFANG16 ACCOUNTADMIN

Last refreshed 8:14:27 PM

+ Create... Clone... Drop... Transfer Ownership

Search Databases 4 databases

Database	Origin	Creation Time	Owner	Comment
IMT577_DW_NICHOLAS_FANG		5/3/2022, 1:44 PM	ACCOUNTADMIN	
IMT577_ITSESSION_NFANG		4/29/2022, 6:35 PM	ACCOUNTADMIN	
SNOWFLAKE_SAMPLE_DATA	SFC_SAMPLES.SA...	4/29/2022, 3:58 PM	ACCOUNTADMIN	Provided by Snowflake during account provisioning
SNOWFLAKE	SNOWFLAKE.ACCO...	4/29/2022, 3:58 PM		

- Screenshot your database Stage. This is different from your staging tables

Databases > IMT577\_DW\_NICHOLAS\_FANG

Last refreshed 8:14:51 PM

Tables | Views | Schemas | **Stages** | File Formats | Sequences | Pipes

+ Create... Clone... Edit... Drop... Transfer Ownership

Stage	Schema	Location	Creation Time	Owner
STAGE_TARGETDATAPRODUCT	PUBLIC	azure://sp72storage.blob.core.windows.net/targ...	5/4/2022, 2:59:40 ...	ACCOUNTADMIN
STAGE_TARGETDATACHANNE...	PUBLIC	azure://sp72storage.blob.core.windows.net/targ...	5/4/2022, 2:58:48 ...	ACCOUNTADMIN
STAGE_STORE	PUBLIC	azure://sp72storage.blob.core.windows.net/store	5/4/2022, 2:56:53 ...	ACCOUNTADMIN
STAGE_SALESHEADER	PUBLIC	azure://sp72storage.blob.core.windows.net/sale...	5/4/2022, 2:56:21 A...	ACCOUNTADMIN
STAGE_SALESDetail	PUBLIC	azure://sp72storage.blob.core.windows.net/sale...	5/4/2022, 2:55:59 ...	ACCOUNTADMIN
STAGE_RESELLER	PUBLIC	azure://sp72storage.blob.core.windows.net/res...	5/4/2022, 2:55:26 ...	ACCOUNTADMIN
STAGE_PRODUCTTYPE	PUBLIC	azure://sp72storage.blob.core.windows.net/pro...	5/4/2022, 2:54:55 ...	ACCOUNTADMIN
STAGE_PRODUCTCATEGORY	PUBLIC	azure://sp72storage.blob.core.windows.net/pro...	5/4/2022, 2:54:12 A...	ACCOUNTADMIN
STAGE_PRODUCT	PUBLIC	azure://sp72storage.blob.core.windows.net/pro...	5/4/2022, 2:53:40 ...	ACCOUNTADMIN
STAGE_CUSTOMER	PUBLIC	azure://sp72storage.blob.core.windows.net/cus...	5/4/2022, 2:52:49 ...	ACCOUNTADMIN
STAGE_CHANNELCATEGORY	PUBLIC	azure://sp72storage.blob.core.windows.net/cha...	5/4/2022, 2:52:04 ...	ACCOUNTADMIN
STAGE_CHANNEL	PUBLIC	azure://sp72storage.blob.core.windows.net/cha...	5/4/2022, 2:51:05 A...	ACCOUNTADMIN

STAGE\_TARGETDATACHANNELANDRESELLERSTORE Owr

+ Grant Privileges

No Permissions Granted

- Screenshot two stage tables data sets demonstrating that they are populated

Results **Data Preview** Open History

Table: IMT577\_DW\_NICHOLAS\_FANG.PUBLIC.STAGE\_STORE Data Details

Filter result...

Row	STOREID	SUBSEGMENTID	STORENUMBER	STOREMANAGE	ADDRESS	CITY	STATEPROVING	COUNTRY	POSTALCODE	PHONENUMBER	CREATED
1	1	1	5	Freida Willia...	90021 State ...	Atlanta	Georgia	United States	30301	404-902-10...	1/1/13 21:
2	2	2	34	Michelle Miller	16371 14th S...	St Louis	Missouri	United States	63103	557-704-99...	1/1/13 21:
3	3	2	39	Keith Chum	16205 138th...	Jackson	Mississippi	United States	39201	601-250-46...	1/1/13 21:
4	4	3	21	Mark Weber	8365 10th A...	Bentonville	Arkansas	United States	72716	479-950-66...	1/1/13 21:
5	5	4	8	James Trunk	437 Main Av...	Little Rock	Arkansas	United States	72202	501-168-3940	1/1/13 21:
6	6	6	10	Joann Chan	1037 2nd Str...	Jefferson City	Missouri	United States	65103	573-398-30...	1/1/13 21:

Table: IMT577\_DW\_NICHOLAS\_FANG.PUBLIC.STAGE\_SALESDETAIL

DataDetails

Filter result...

Columns

Row	SALESDetailID	SALESHeaderID	PRODUCTID	SALESQUANTITY..	SALESAMOUNT	CREATEDDATE	CREATEDBY	MODIFIEDDATE	MODIFIEDBY
1	1	1	1	30	418.5	1/1/13 22:12	company\SQLS...		
2	2	2	9	14	111.86	1/1/13 22:12	company\SQLS...		
3	3	3	23	41	1637.95	1/1/13 22:12	company\SQLS...		
4	4	4	1	30	418.5	1/1/13 22:12	company\SQLS...		
5	5	5	10	14	111.86	1/1/13 22:12	company\SQLS...		
6	6	6	7	10	69.9	1/1/13 22:12	company\SQLS...		
7	7	7	14	29	1710.71	1/1/13 22:12	company\SQLS...		
8	8	8	19	52	6135.48	1/1/13 22:12	company\SQLS...		