Essentials Lab 5
Exercise 1

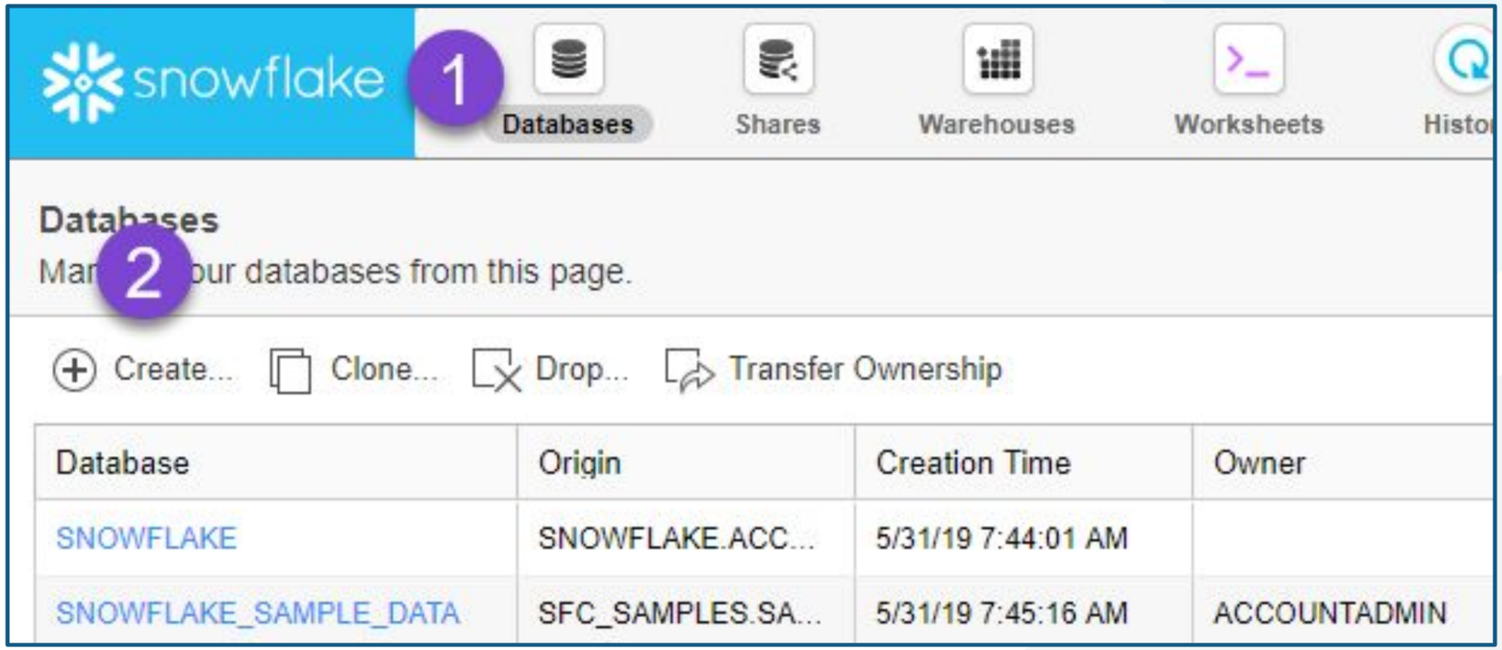
1) Click **[Databases]** in the **Navigation Ribbon**.

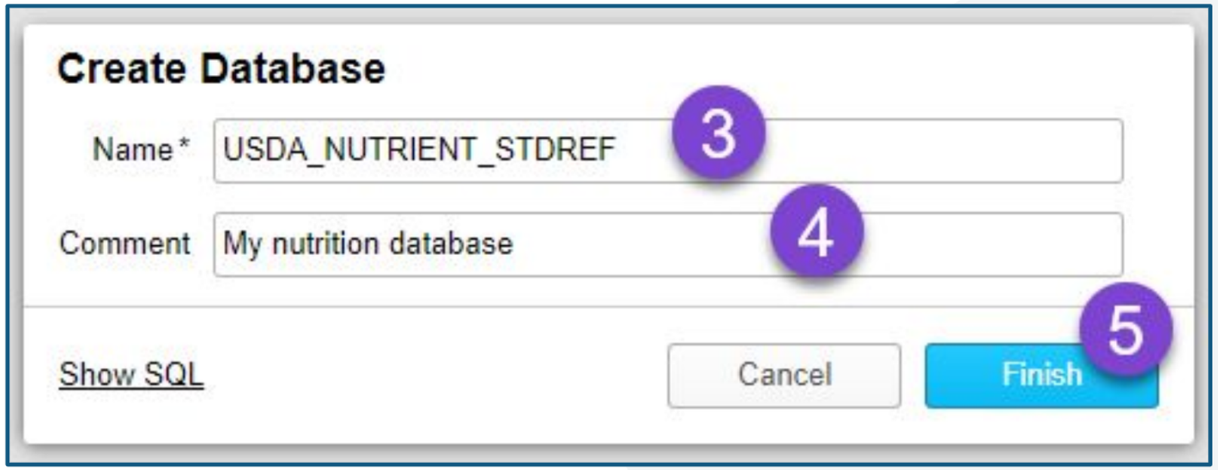
2) Click **[Create]** to create a new database. If you don't see the **[Create]** option, you may need to "drill up" by clicking the word **[Databases]** in the **Breadcrumb Trail.**

3) Enter the name ***USDA_NUTRIENT_STDREF*** into the **[Name]** field of the **[Create Database]** dialog.

4) Enter a comment in the comment field (OPTIONAL).

5) Click **[Finish]**.





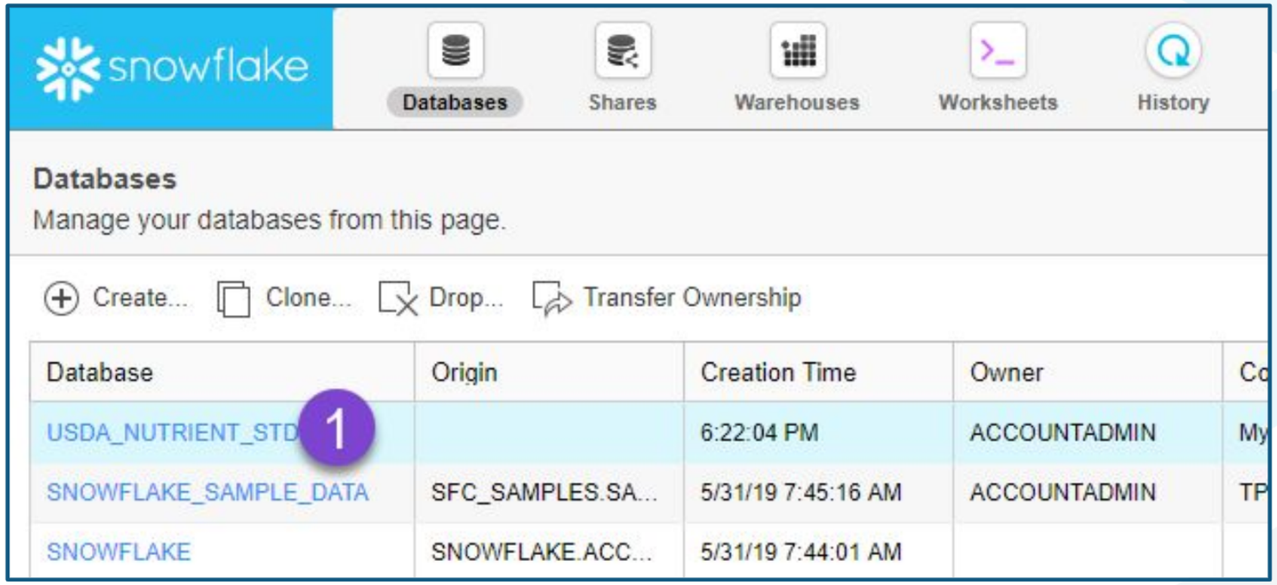
Essentials Lab 5
Exercise 2

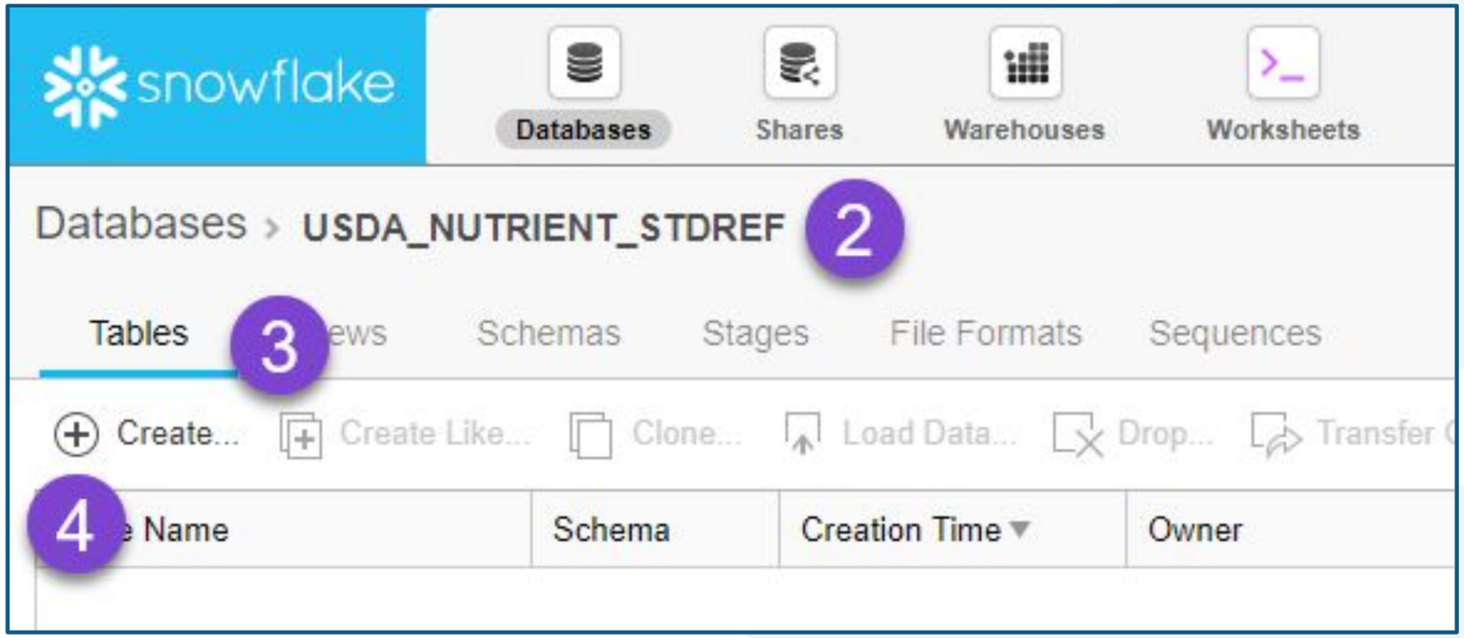
1) Drill into your new database by clicking on the blue hyperlinked name in the list of databases.

2) Use the **Breadcrumb Trail** to confirm that you have drilled into your new database.

3) Use the blue underline to confirm that you are on the **[Tables]** tab.

4) Click **[Create]** to begin creating a new table.





Essentials Lab 5
Exercise 3

1) Name your table ***FD_GROUP_INGEST***.

2) Leave the default value of ***PUBLIC*** as the schema.

3) Enter a comment (OPTIONAL).

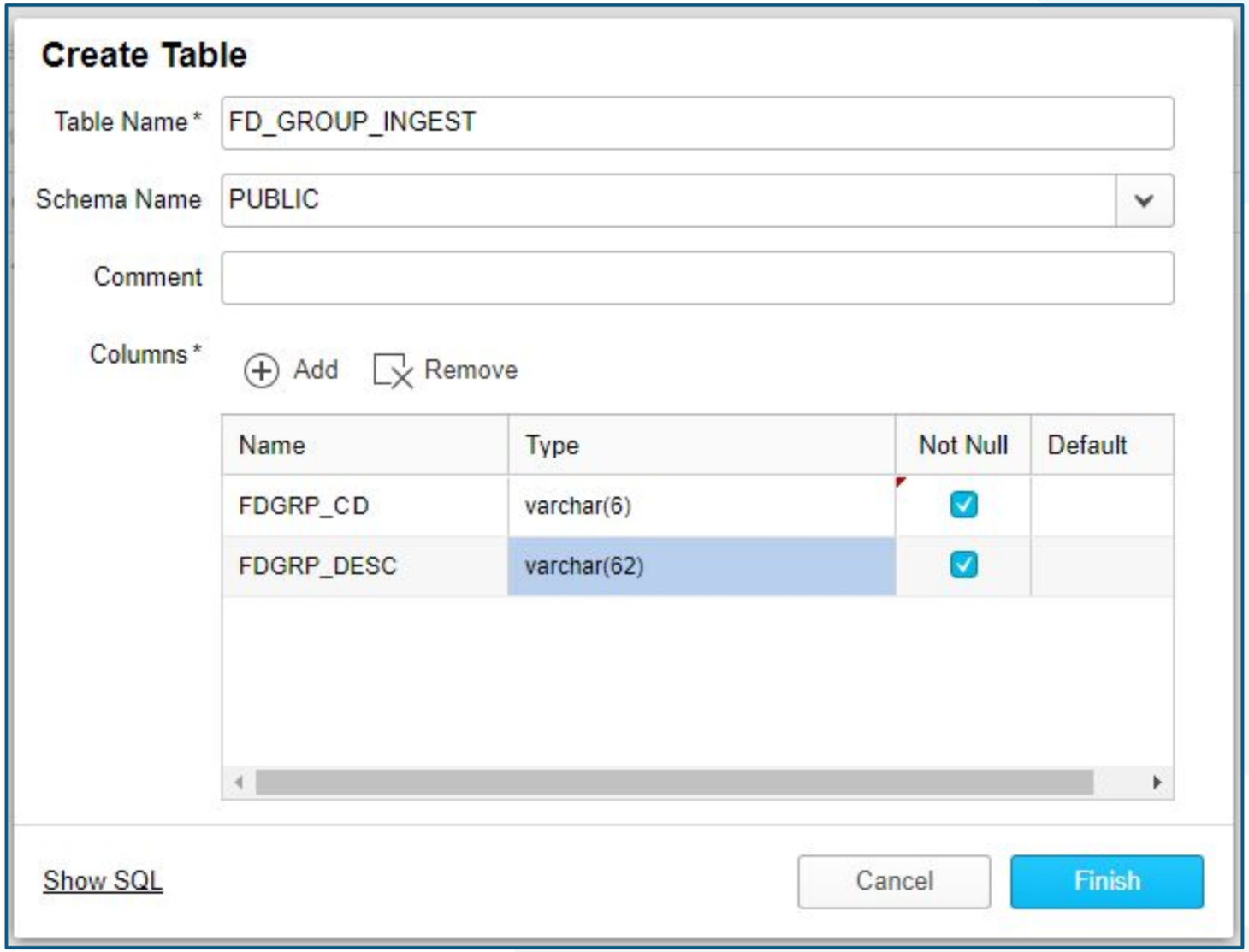
4) Click **[Add]** to add a column to the table.

5) Name the first column ***FDGRP_CD*** and set the **[Type]** to ***VARCHAR(6)***.

6) Click **[Add]** to add a another column to the table.

7) Name the second column ***FDGRP_DESC*** and set the **[Type]** to ***VARCHAR(62)***

8) Click **[Finish]**.



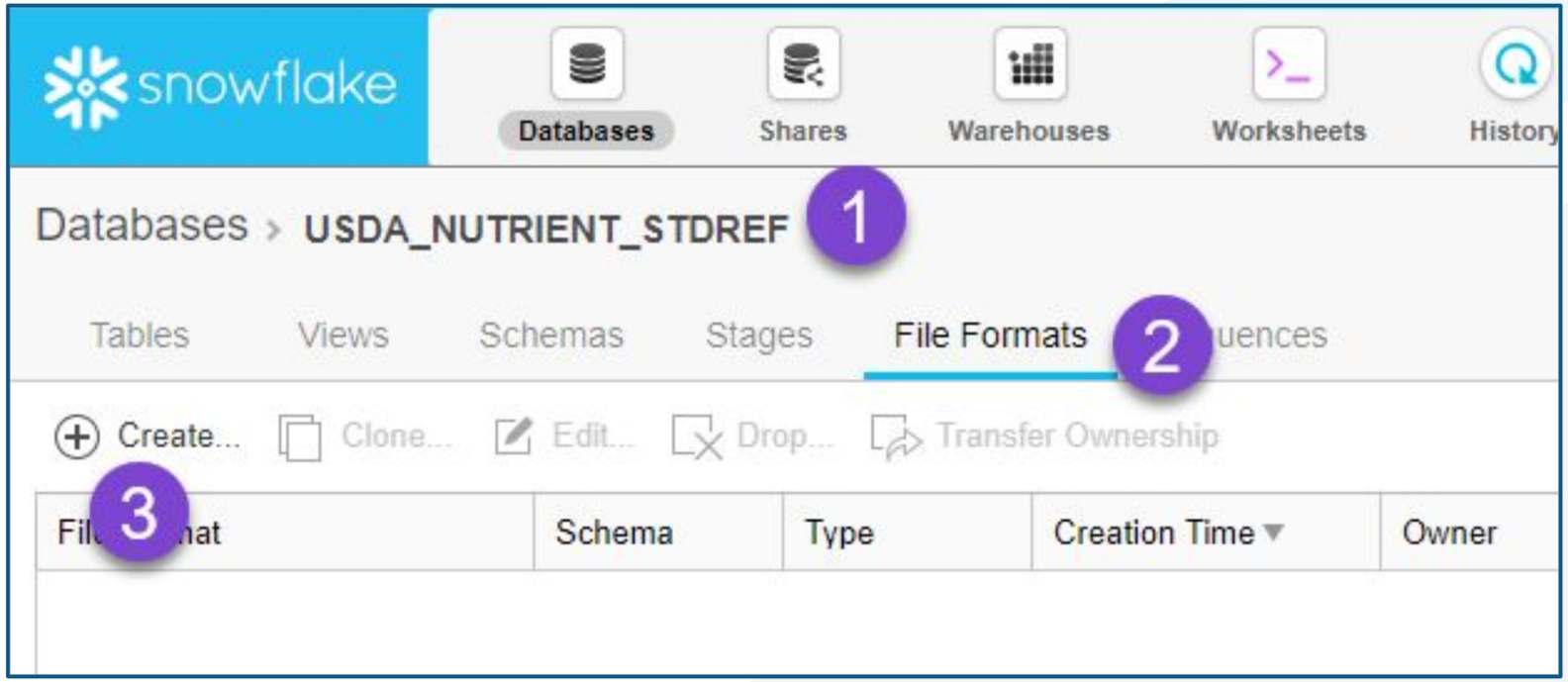
Essentials Lab 5
Exercise 4

1) Confirm via the breadcrumb that you are still in your USDA database.

2) Click the **File Formats** tab.

3) Click **[Create]** to begin creating a new file format.

NOTE:
Your file format describes the type of file you want to load. In the case of the USDA files we need to let Snowflake know that you will be loading a file with carets as column delimiters.



Essentials Lab 5
Exercise 5

1) Name your file format ***USDA_FILE_FORMAT***.

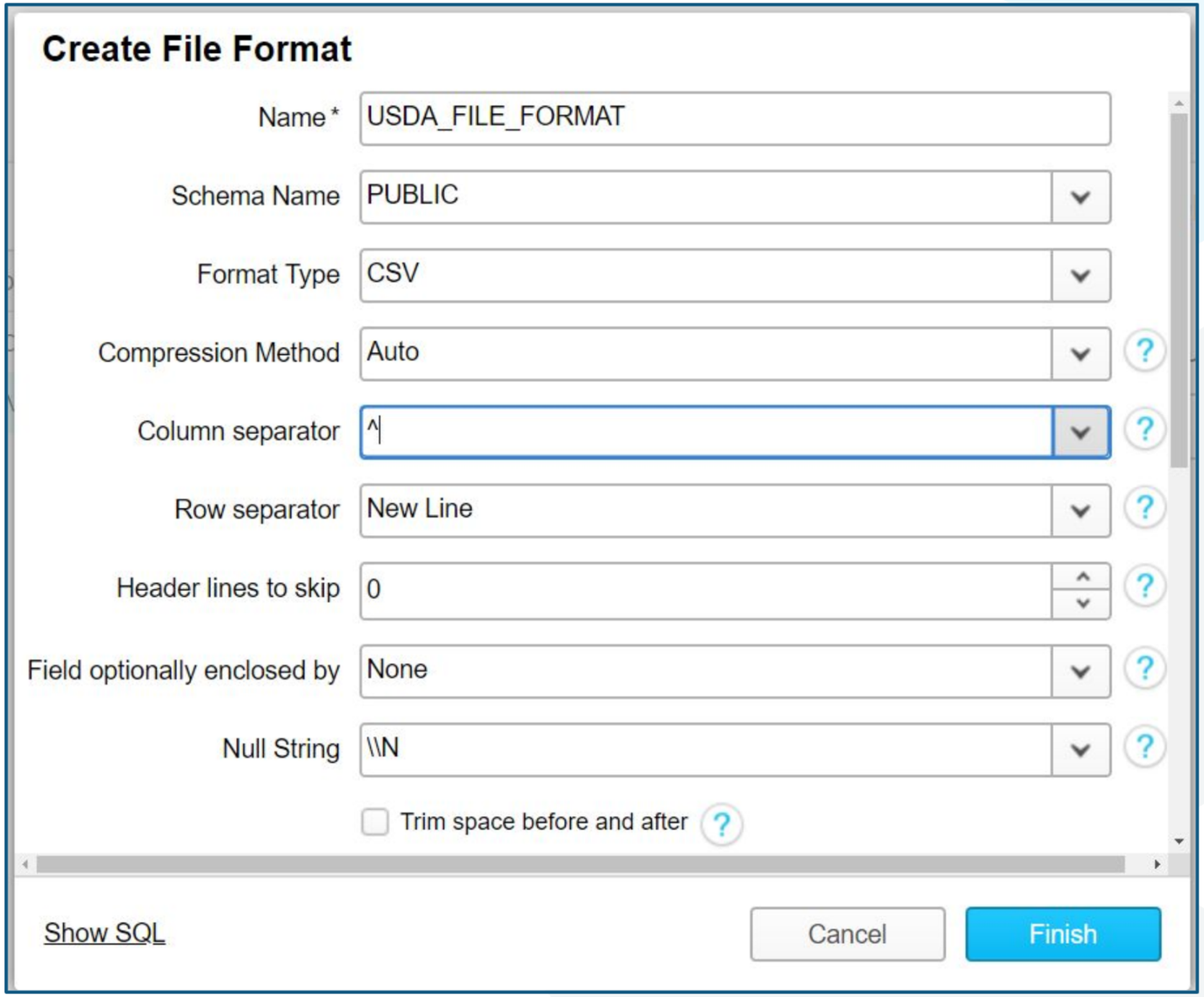
2) Leave the default schema of ***PUBLIC***.

3) Choose ***CSV*** as the format type, even though the file does not have comma separated values.

4) Leave the default compression method of ***Auto***.

5) For **[Column separator]** - first choose the value ***Other***, then input the caret symbol using (**Shift+6**) on your keyboard.

6) Click **[Finish]**.

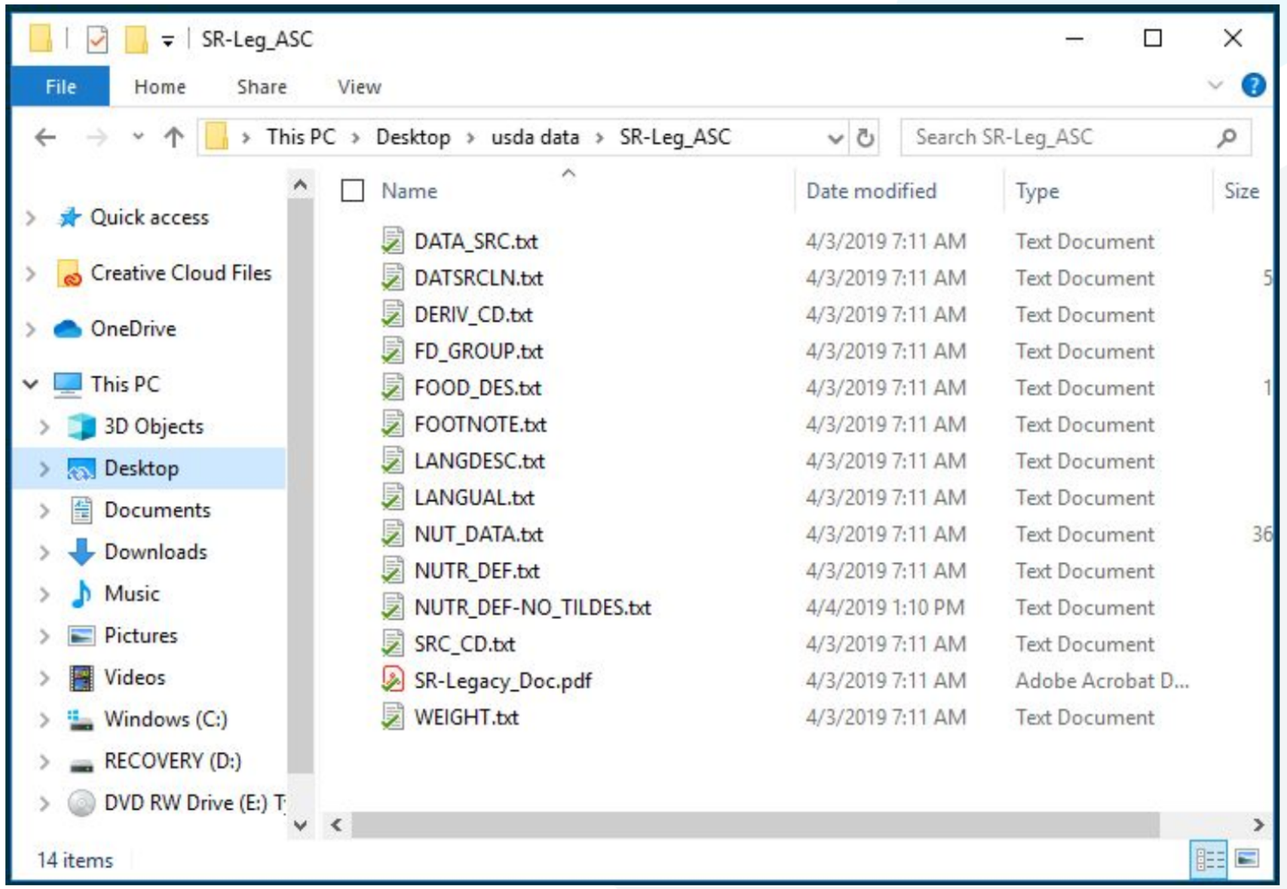


Essentials Lab 5
Exercise 6

1) Download USDA data files and the USDA specification documents.
   https://www.ars.usda.gov/ARSUserFiles/80400525/Data/SR-Legacy/SR-Leg_ASC.zip

2) Unzip/extract the files to a local drive.

3) Make a note of the files' location so that you can load from that location in the next exercise.



Essentials Lab 5
Exercise 7

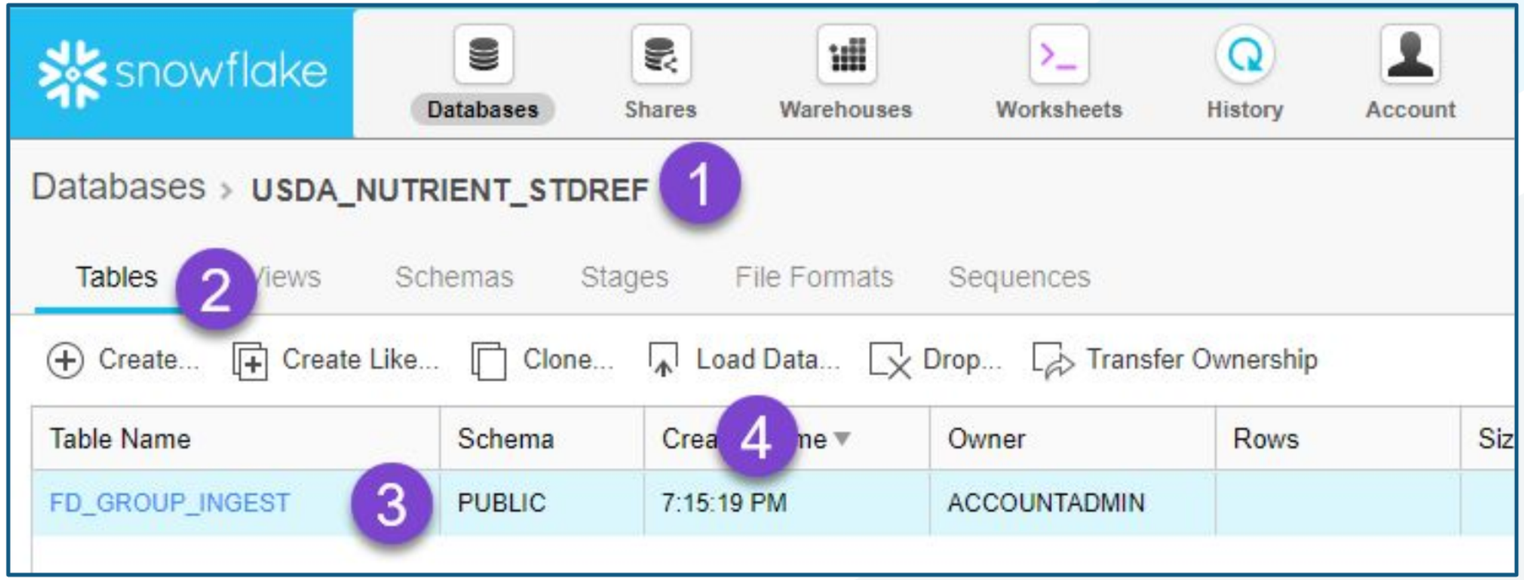
1) Use the breadcrumb trail to confirm you are in your USDA database.

2) Click the **[Tables]** tab.

3) Click the background of the row representing your new ***FD_GROUP_INGEST*** table.

4) With the ***FD_GROUP_INGEST*** row highlighted, click the **[Load Data]** option.

   The Load wizard will open.

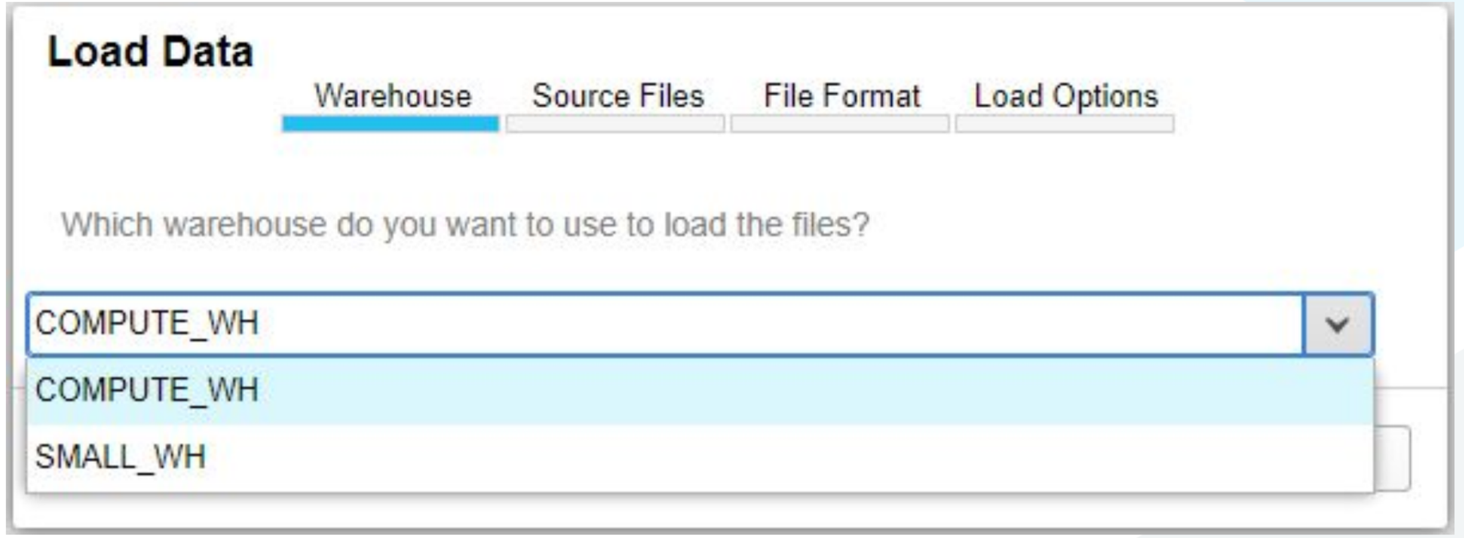


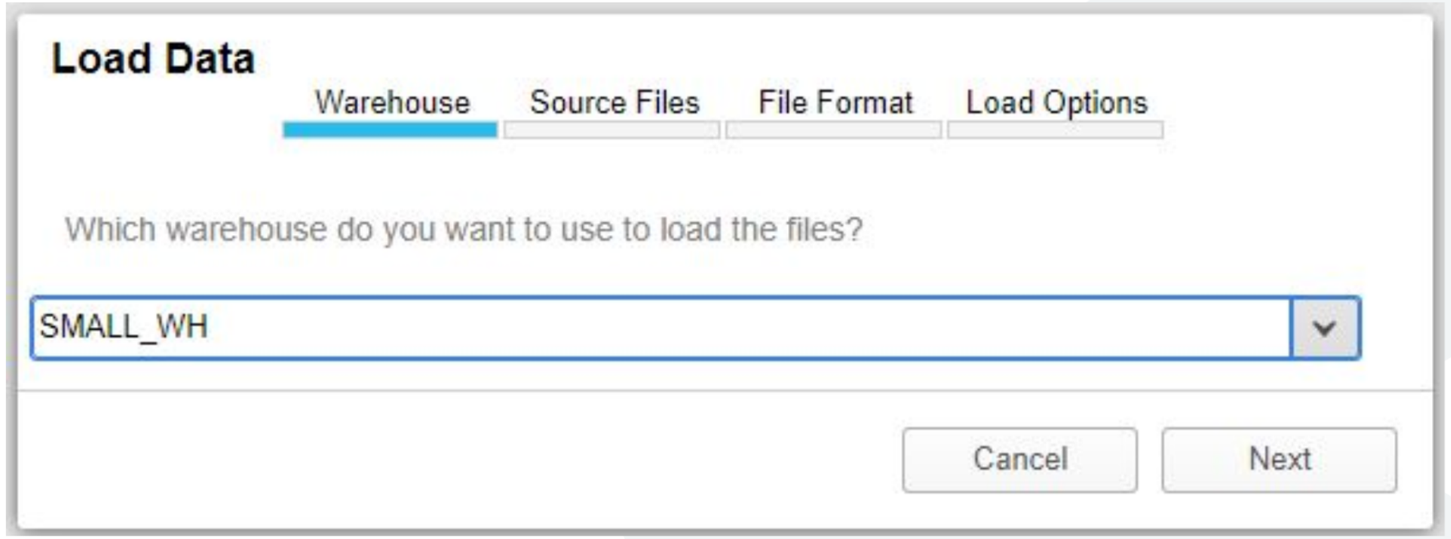
Essentials Lab 5
Exercise 8

1) Choose the **Warehouse** you would like to have run the load.

   Remember that the warehouse is just the compute power applied to a process. It has no effect on data storage location.

2) Click **[Next]**.





Essentials Lab 5
Exercise 9

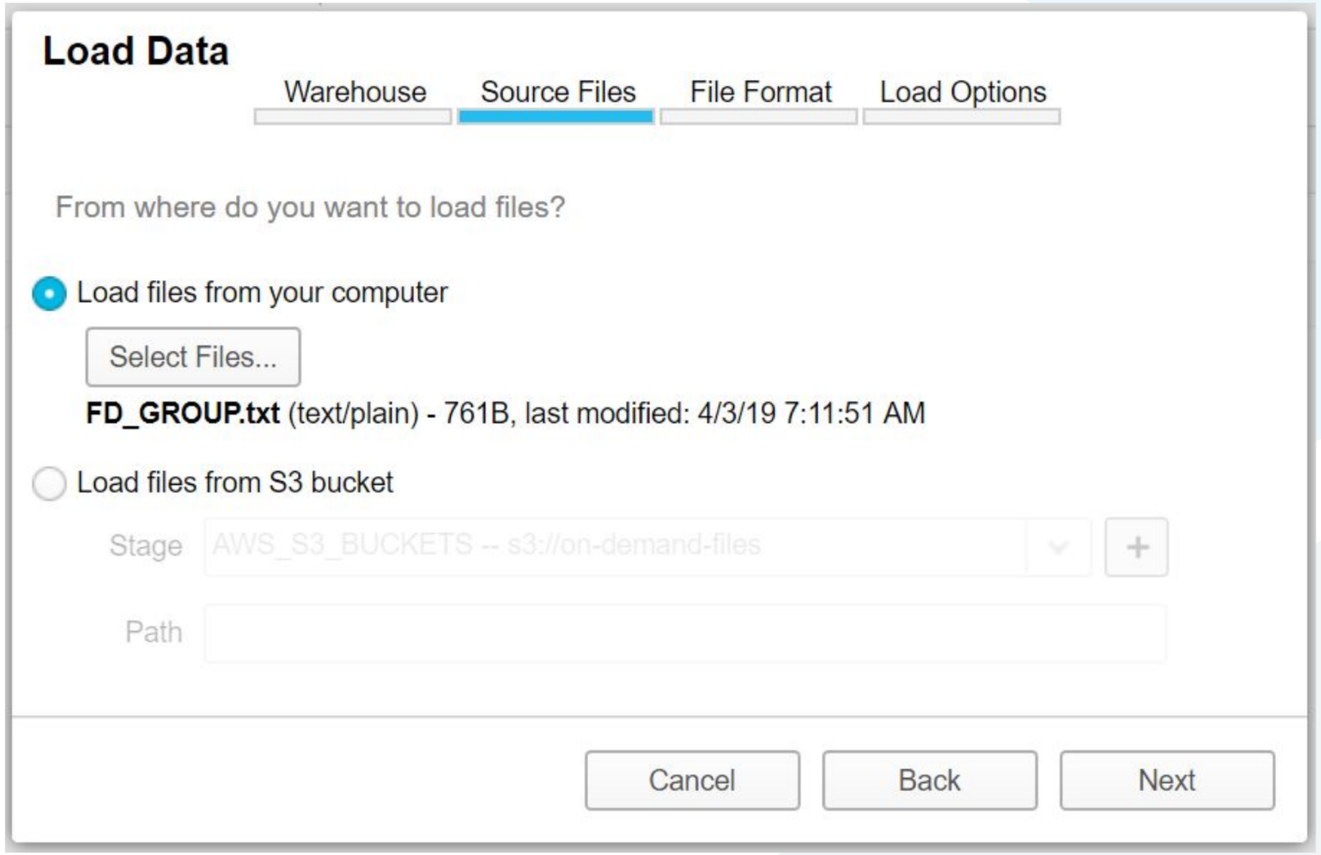
1) Choose the first of two options: **[Load files from your computer]**

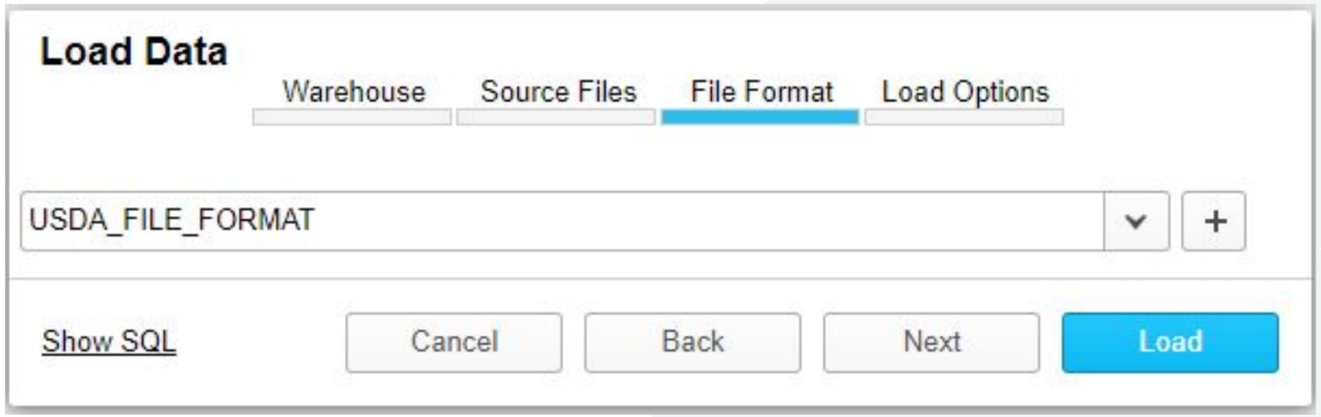
2) Click **[Select Files...]** and navigate to the ***FD_GROUP.txt*** file that you downloaded in Exercise 6 of this lab.

3) Click **[Next].**

4) Select **USDA_FILE_FORMAT** (if this is your only file format, it will be selected for you).

5) Click **[Next].**





Essentials Lab 5
Exercise 10

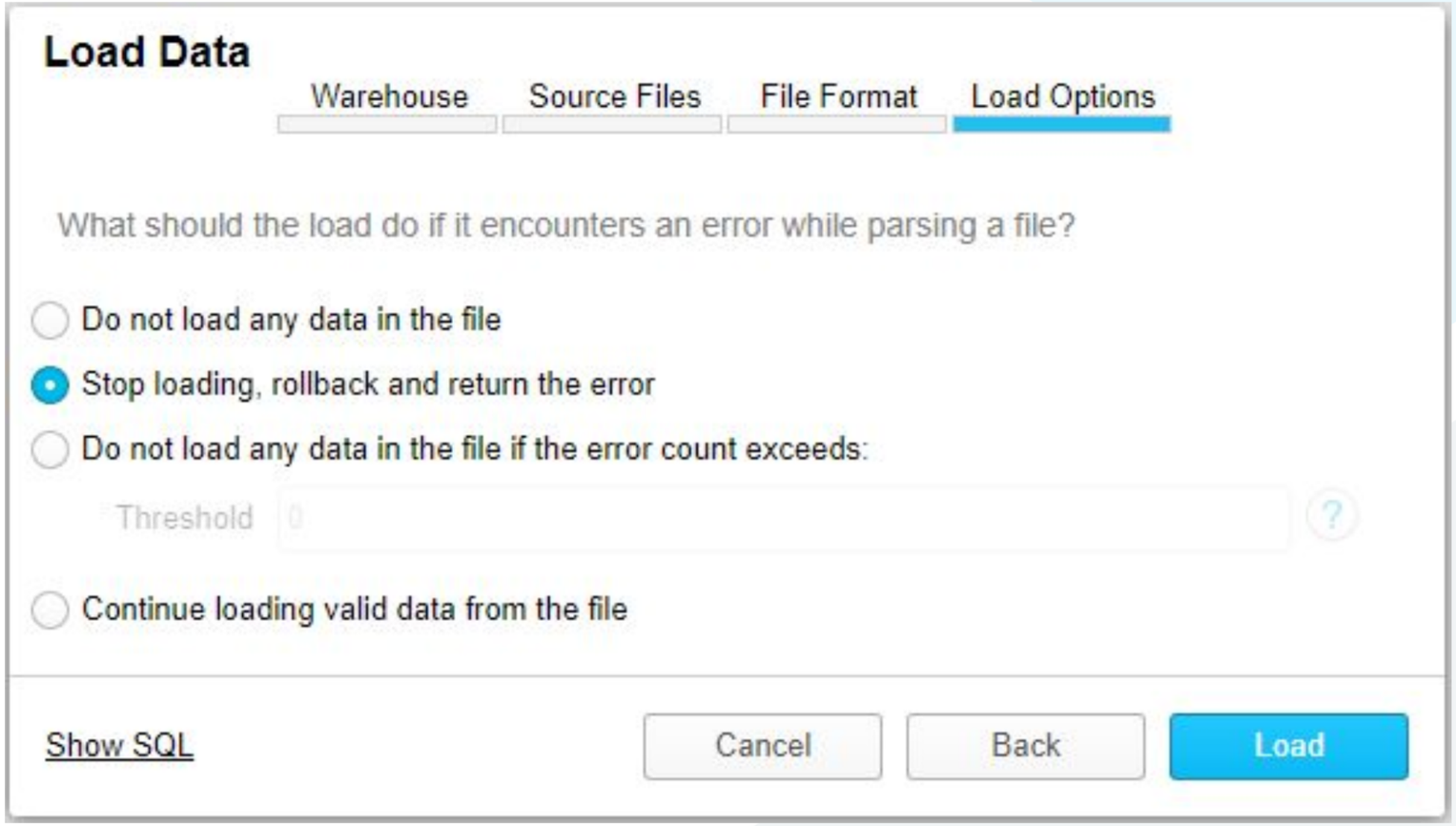
1) Leave the default option:
   [Stop loading, rollback and return the error]

2) Click **[Load].**

3) Wait for confirmation.

NOTE:
If your file does not load and you don't understand the issue, you may want to try some of the other load options.

For example, the "**Continue loading…**" option would allow you to see which rows successfully loaded and allow you deduce possible issues in the rows that did not.



Essentials Lab 5
Exercise 11

1) Click **[Worksheets]** in the **Navigation Ribbon**.

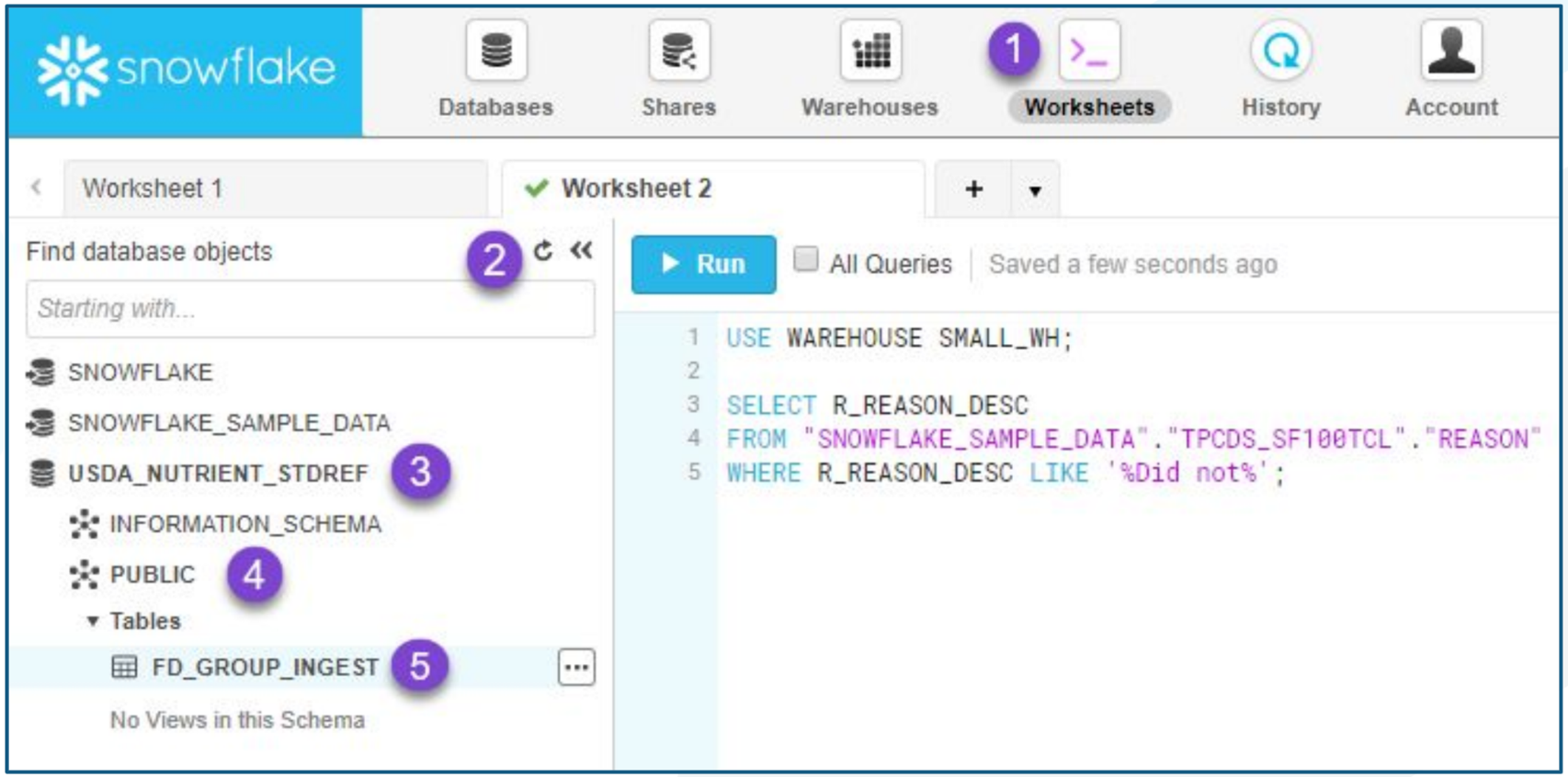
2) Use the refresh button to update objects in the **Navigation Tree**.

3) Click the ***USDA_NUTRIENT_STDREF*** database name to unfold its contents.

4) Click the ***PUBLIC*** schema.

5) Click **[Tables]**.

6) Click **FD_GROUP_INGEST**.



Essentials Lab 5
Exercise 12

1) Click **[...]** on the ***FD_GROUP_INGEST*** table label.

2) Select **[Preview Data]** to view the data you loaded.

OPTIONAL: Consider running a SQL query to look at your newly loaded data.

```
SELECT FDGRP_DESC
FROM    "USDA_NUTRIENT_STDREF"."PUBLIC"."FD_GROUP_INGEST"
WHERE FDGRP_DESC LIKE '%Food%';
```