Here is the script shown in Figure 9-2 that you will need to run.

%sql

SELECT \*from nyctaxi

Create the Shallow Clone using the following script which contains the SHALLOW CLONE command.

%sql

CREATE TABLE IF NOT EXISTS nyctaxi\_shallow\_clone

SHALLOW CLONE nyctaxi

LOCATION 'abfss://data@rl001adls2.dfs.core.windows.net/raw/delta/nyctaxi\_delta\_shallow\_clone'

There is also an option to specify the Version with both deep and shallow clones so you can use this template for your particular use case as needed.

CREATE TABLE [IF NOT EXISTS] [db\_name.]target\_table

[SHALLOW | DEEP] CLONE [db\_name.]source\_table [<time\_travel\_version>]

[LOCATION 'path']

Run the following select SQL query to query the shallow clone along with its source file.

%sql

SELECT \*, input\_file\_name() FROM nyctaxi\_shallow\_clone

Update the shallow clone to see how this operation impacts the logs and persisting of data by running the following script.

%sql

UPDATE nyctaxi\_shallow\_clone

SET PULocationID = 263 WHERE PULocationID = 262

Create a deep clone with the following script.

%sql

CREATE TABLE IF NOT EXISTS nyctaxi\_deep\_clone

DEEP CLONE nyctaxi

LOCATION 'abfss://data@rl001adls2.dfs.core.windows.net/raw/delta/nyctaxi\_delta\_deep\_clone'

Here is the script with time travel version, and table properties specified

%sql

CREATE TABLE IF NOT EXISTS nyctaxi\_deep\_cloneV0

DEEP CLONE nyctaxi VERSION AS OF 0

TBLPROPERTIES (

delta.logRetentionDuration = '3650 days',

delta.deletedFileRetentionDuration = '3650 days'

)

LOCATION 'abfss://data@rl001adls2.dfs.core.windows.net/raw/delta/nyctaxi\_delta\_deep\_cloneV0'

To find the version of your most recent commit, run the following Python command: spark.conf.get("spark.databricks.delta.lastCommitVersionInSession")