😊 Loading data into the Table

For CSV

1. Now in this lab first you have to create a new SQL Script in your Synapse studio.
2. Then you are going to create a normal table in your dedicated SQL Pool database.
3. Then we will run the copy command to copy all of the data from our CSV file which is uploaded inside of the container in your storage account.
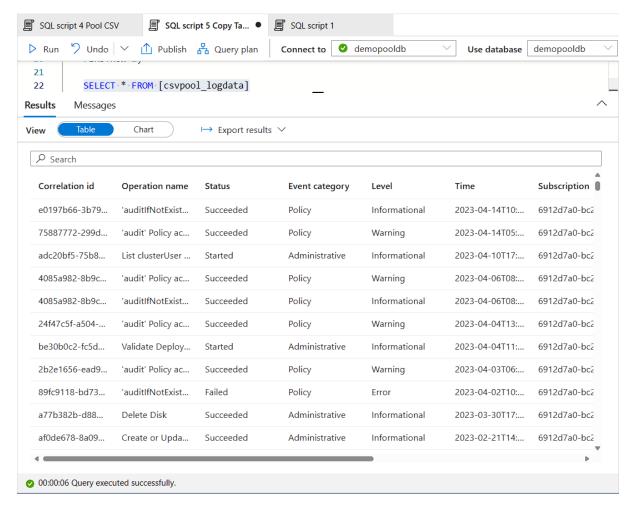4. So, first just create your table.

```
CREATE TABLE [csvpool_logdata]
(
    [Correlation id] [varchar](200) NULL,
    [Operation name] [varchar](200) NULL,
    [Status] [varchar](100) NULL,
    [Event category] [varchar](100) NULL,
    [Level] [varchar](100) NULL,
    [Time] [datetime] NULL,
    [Subscription] [varchar](200) NULL,
    [Event initiated by] [varchar](1000) NULL,
    [Resource type] [varchar](1000) NULL,
    [Resource group] [varchar](1000) NULL,
    [Resource] [varchar](2000) NULL
)
```

5. Below is the copy command here first we defined that we need to copy the data into our table which we just created then we have given the path from where we are going to copy the data.
6. For the path you can go to your container where you have stored your CSV file give its location.
7. Then what is the file type and the identity type.
8. After that we have defined the secret as our storage account access key.
9. Now just execute this command.

```
COPY INTO [csvpool_logdata] FROM 'https://sqlstorage1010.blob.core.windows.net/csv/Log.csv'
WITH(
    FILE_TYPE='CSV',
    CREDENTIAL=(IDENTITY='Storage Account Key',SECRET='0RTBmXN1Mgu7Q3jZXk2StgWyH8rqCQhPc3jP13qLjSHpcsgQivDPNBehS5/9xrbJTjgPylWFATkG
    FIRSTROW=2)
```

10. And below you can see the desired data which we needed to see.

For Parquet

1. Now the same thing can be done for the parquet file also. The steps are the same as before.
2. First create a simple table then copy the data from your container to this table.
3. For parquet too you can see the data accordingly.

▷ Run   ↶ Undo   ∨   ⬆ Publish   🔗 Query plan | **Connect to**   ✅ demopooldb   ∨   **Use database**   demopooldb   ∨

```
15
16   COPY INTO [pool_logdata_parquet] FROM 'https://sqlstorage1010.blob.core.windows.net/parquet/log.parquet'
17   WITH(
18       FILE_TYPE='PARQUET',
19       CREDENTIAL=(IDENTITY='Storage Account Key',SECRET='0RTBmXN1Mgu7Q3jZXk2StgWyH8rqCQhPc3jP13qLjSHpcsgQi
20
21   SELECT * FROM [pool_logdata_parquet]
```

Results   Messages   ⌃

View   [Table | Chart]   ⟼ Export results ∨

🔍 Search

Correlationid	Operationname	Status	Eventcategory	Level	Time	Subscription
8e83949f-1278...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-14T15:...	6912d7a0-bc2
56882c7b-60e0...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T14:...	6912d7a0-bc2
56882c7b-60e0...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T14:...	6912d7a0-bc2
a4927ba1-fe0e...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T12:...	6912d7a0-bc2
a4927ba1-fe0e...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T12:...	6912d7a0-bc2
4edf0175-66f4-...	Create or Upda...	Succeeded	Administrative	Informational	2023-04-17T12:...	6912d7a0-bc2
4edf0175-66f4-...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T12:...	6912d7a0-bc2
a5db15ad-01ac...	Delete Network...	Failed	Administrative	Error	2023-04-14T13:...	6912d7a0-bc2

✅ 00:00:06 Query executed successfully.