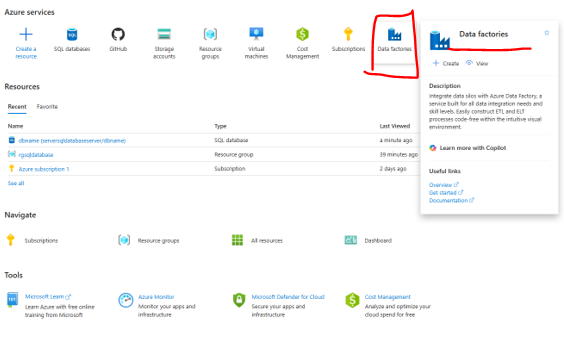
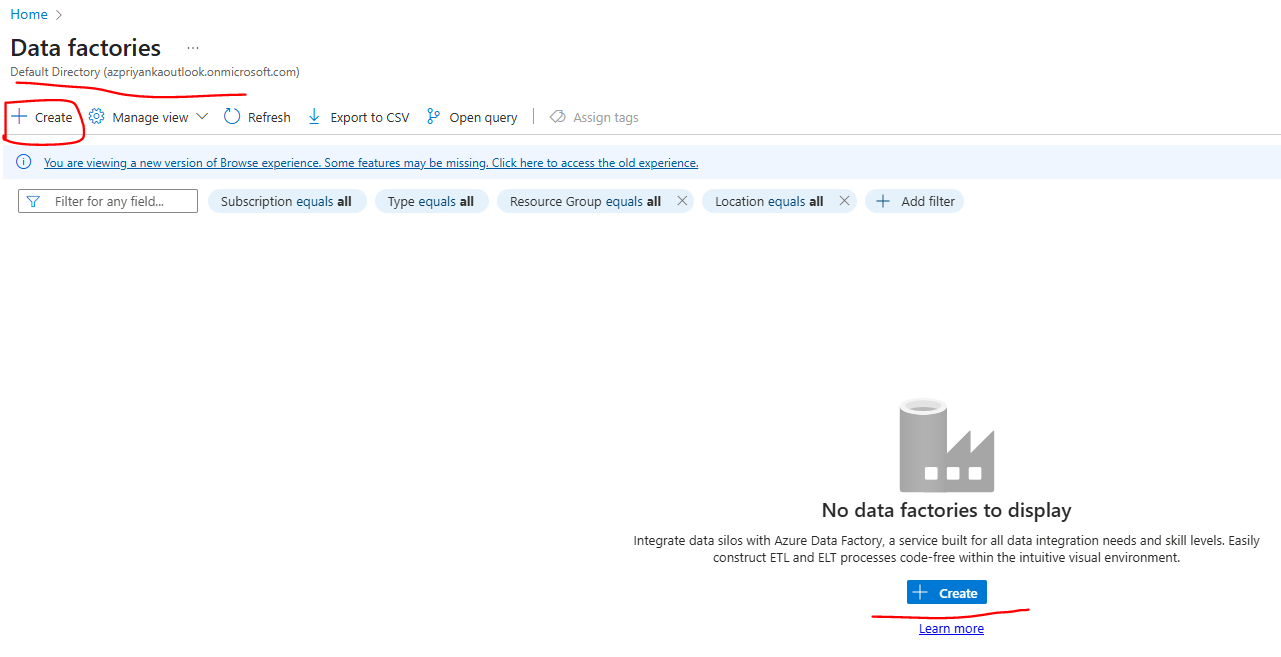
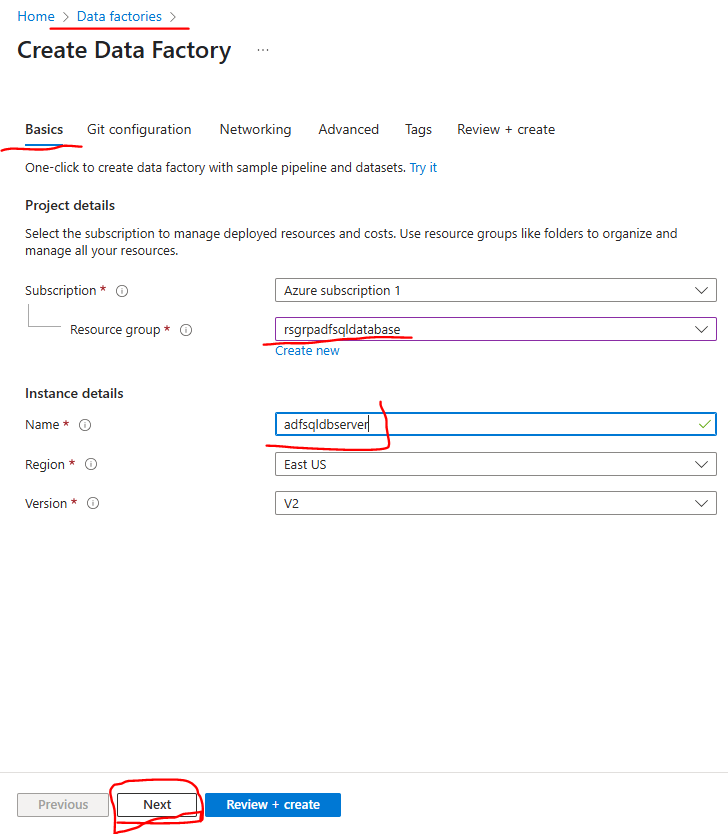
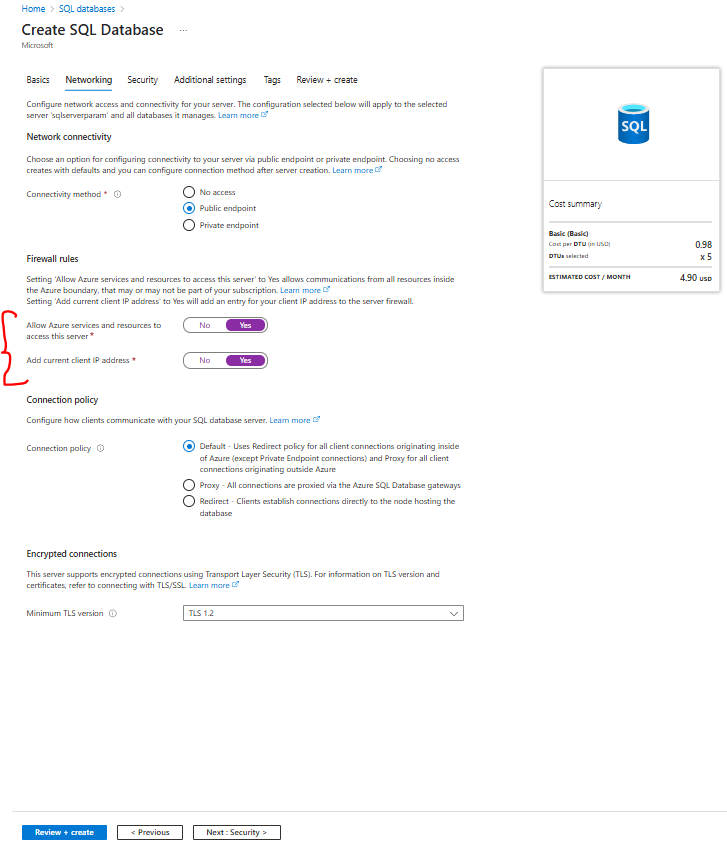
**ADF – AZURE DATA FACTORY – COPY DATA**



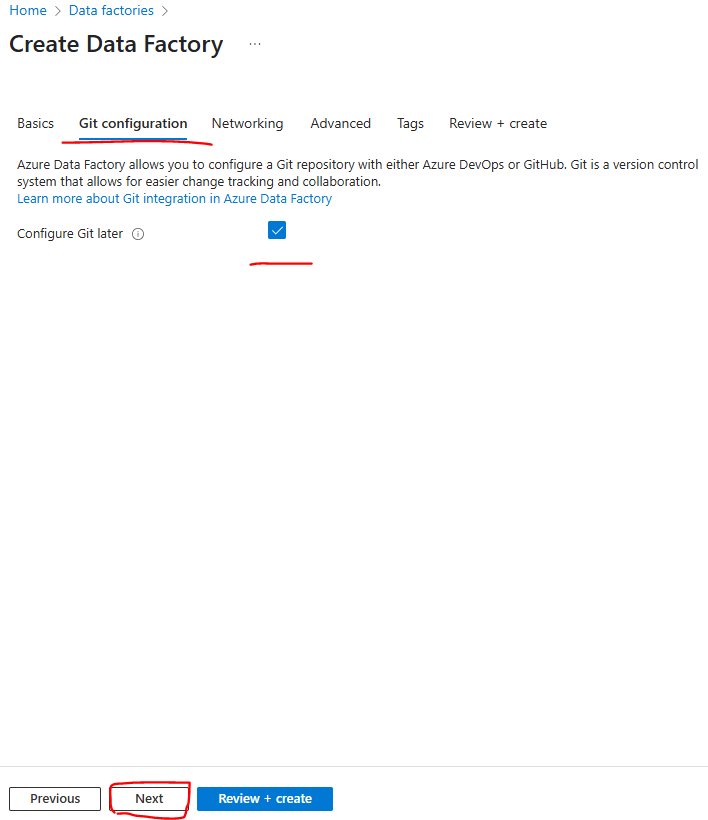


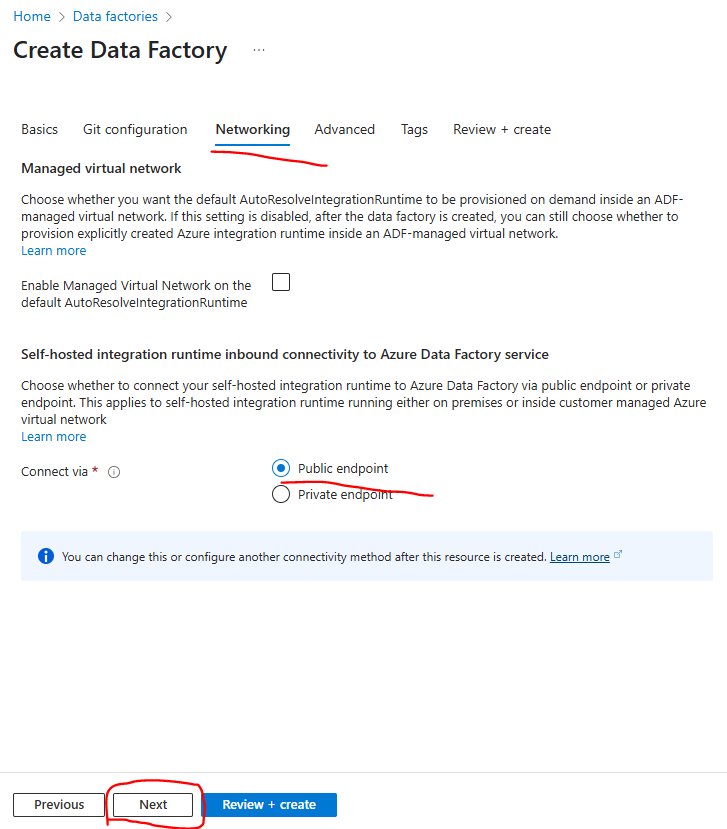


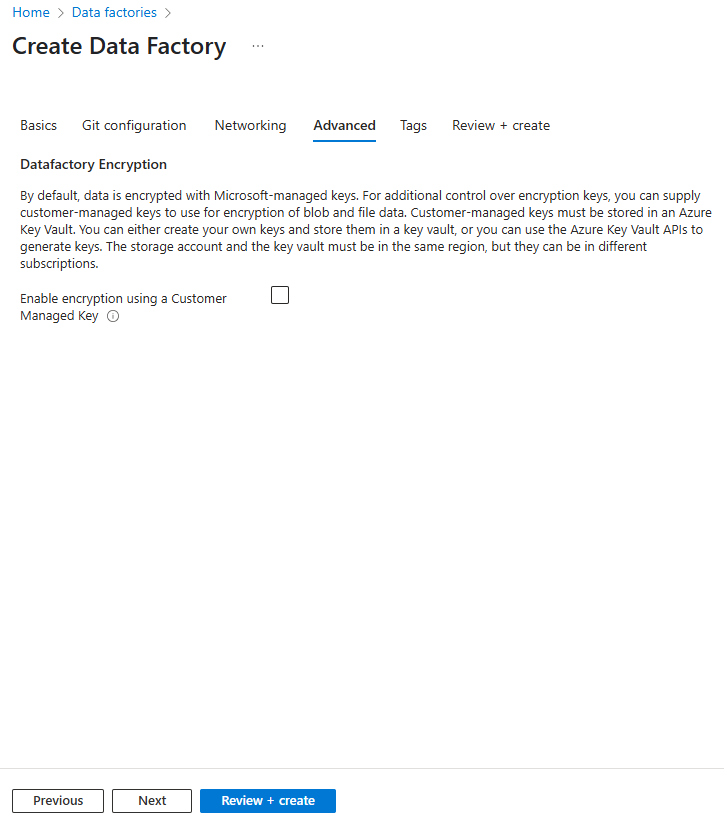


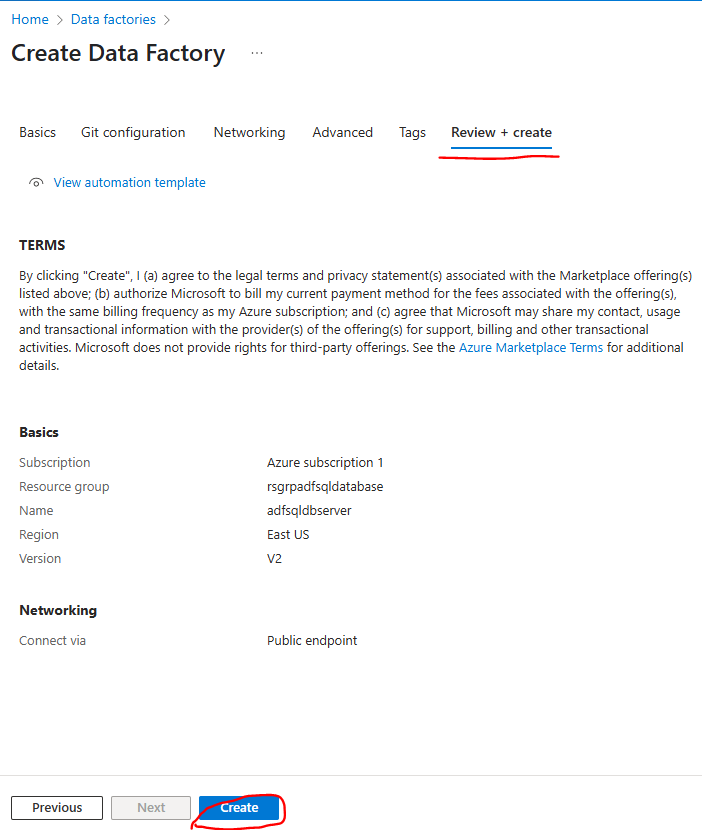
The first option should be selected to access the Azure DB in ADF.

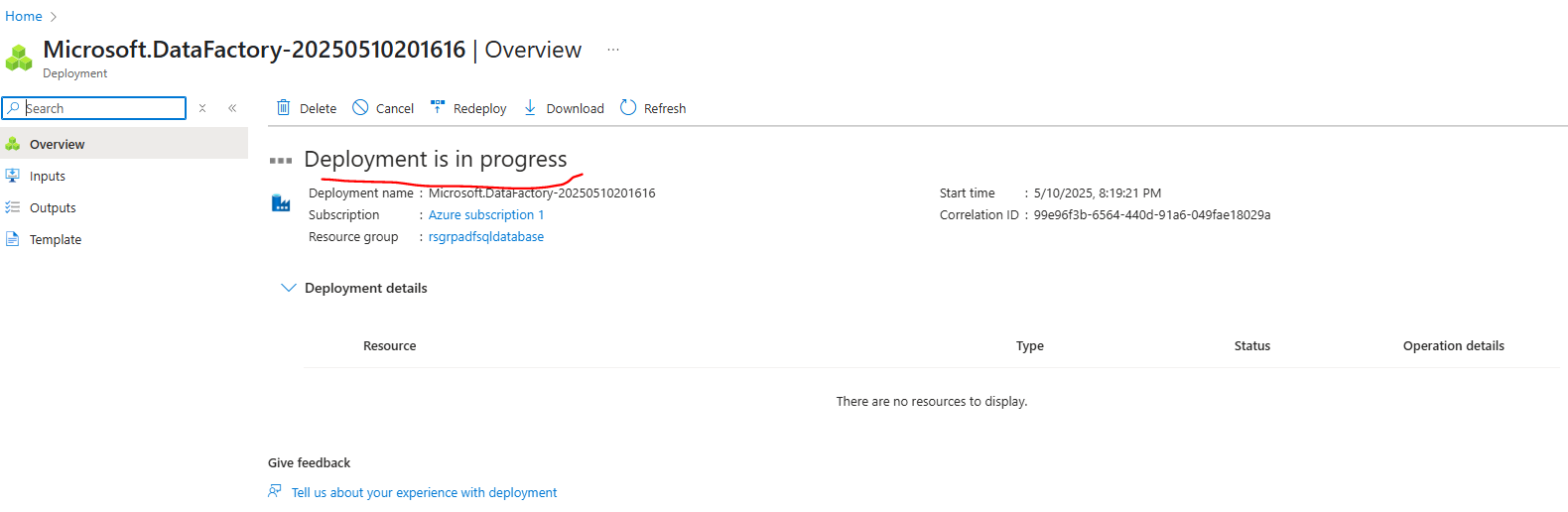
The second option should be selected to access the local SQL and the created DB in Azure.

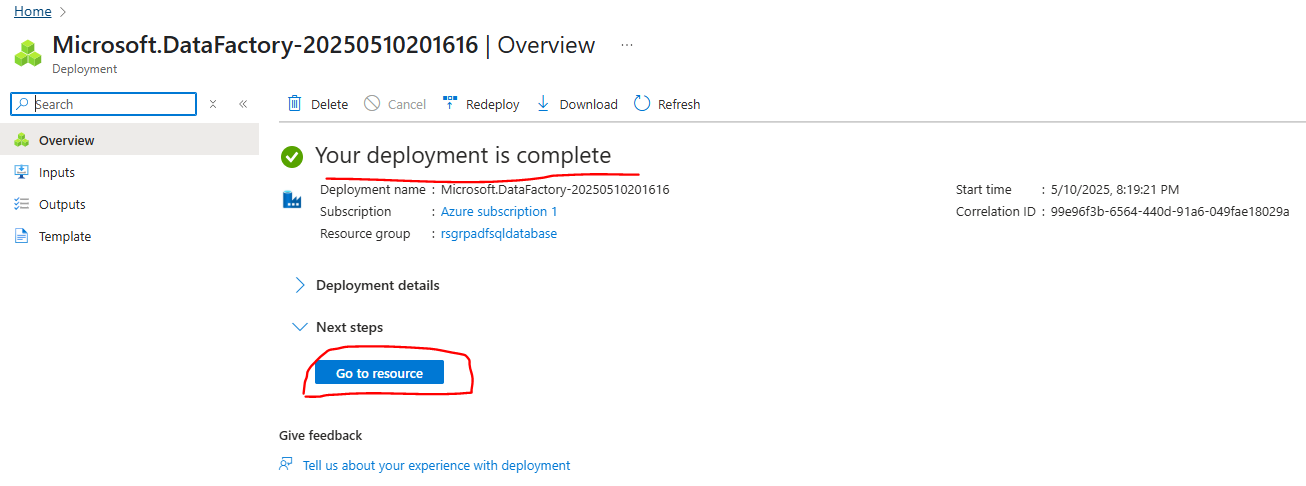


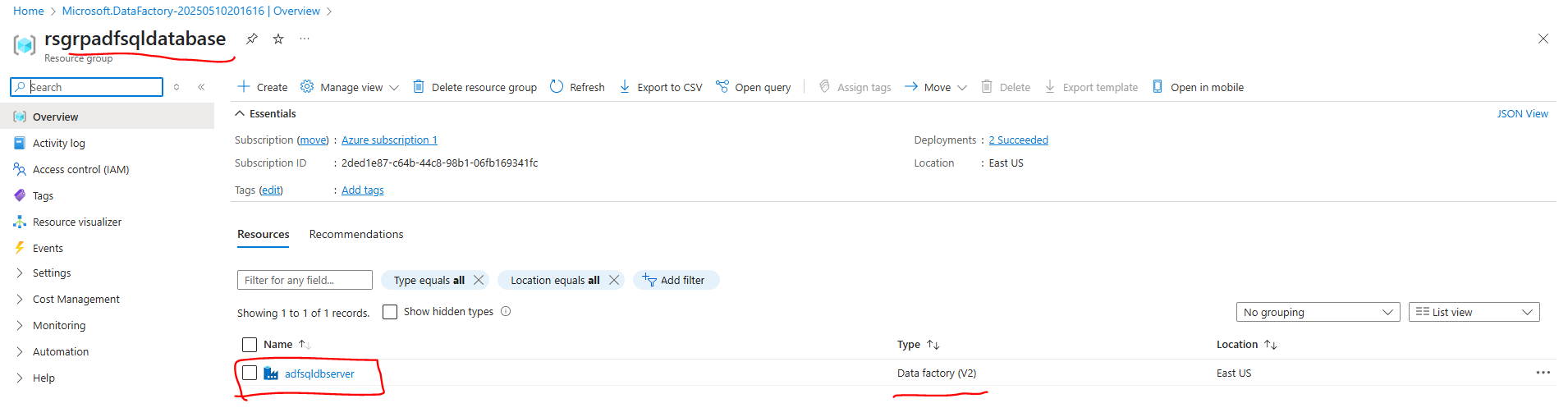


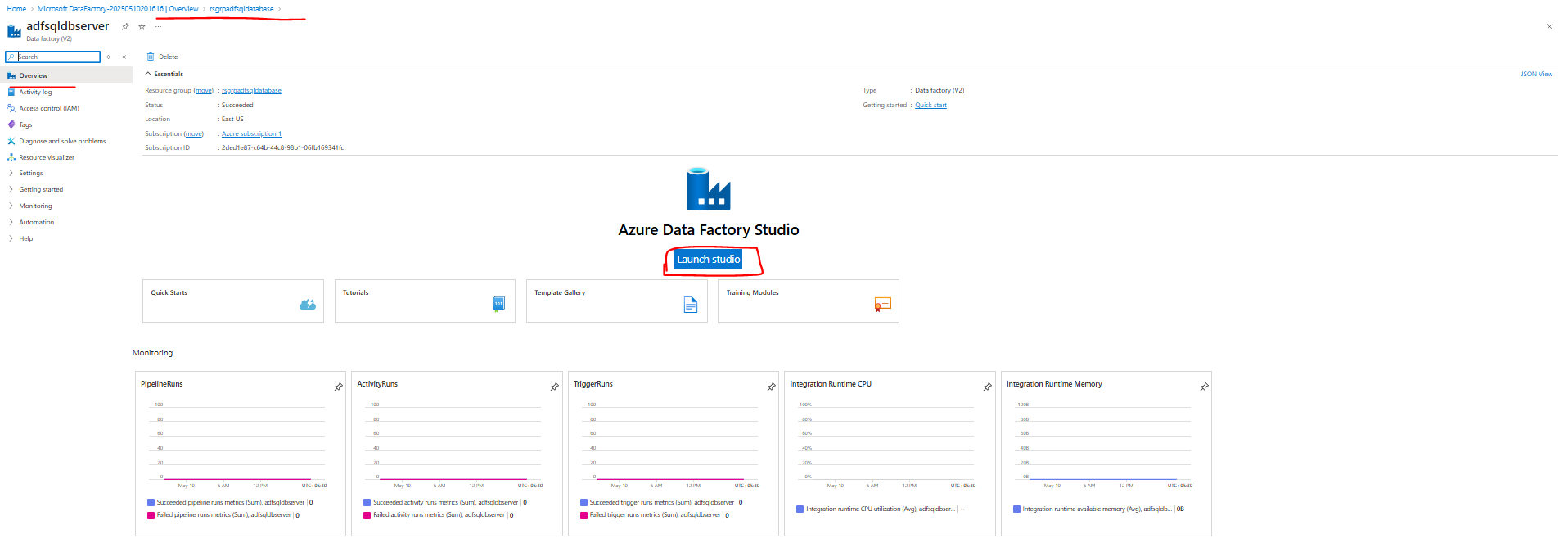


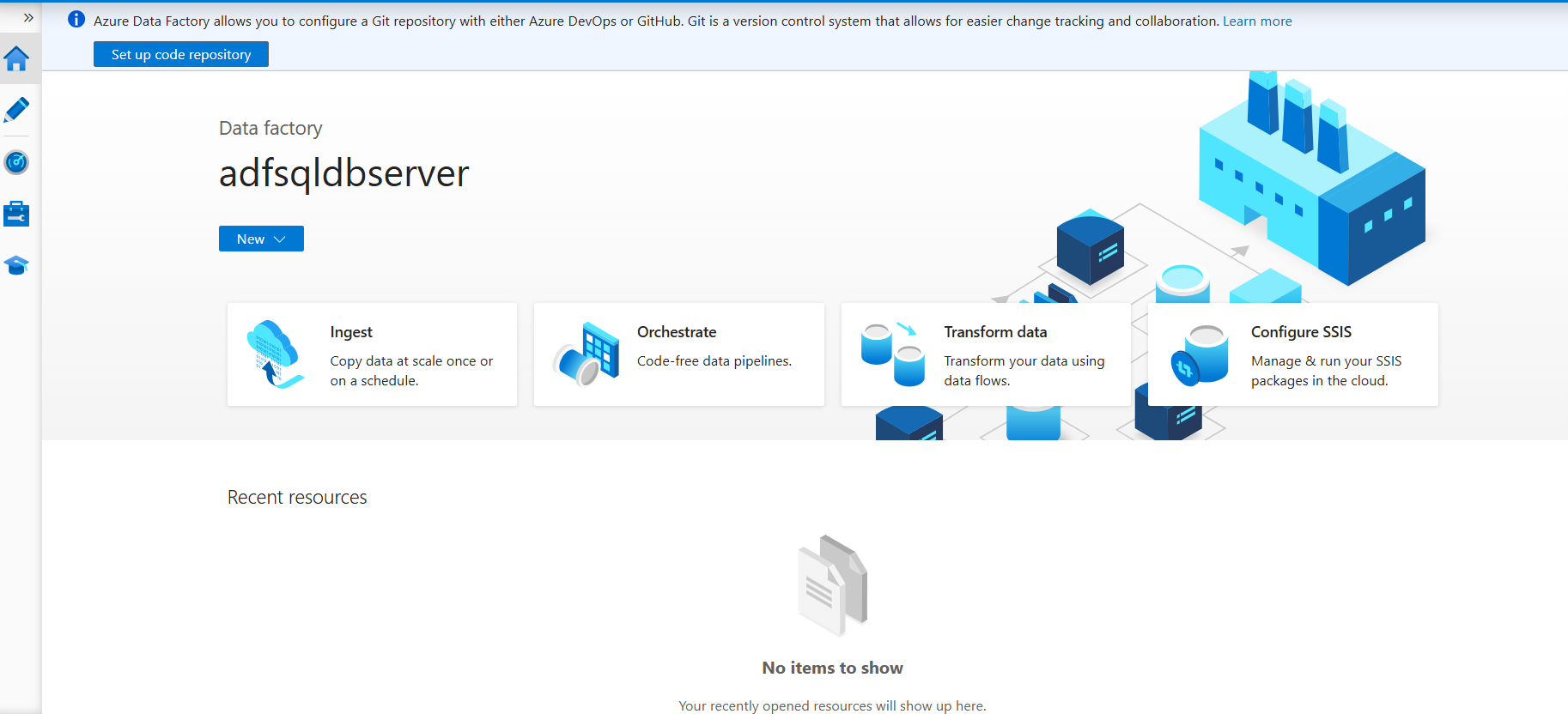




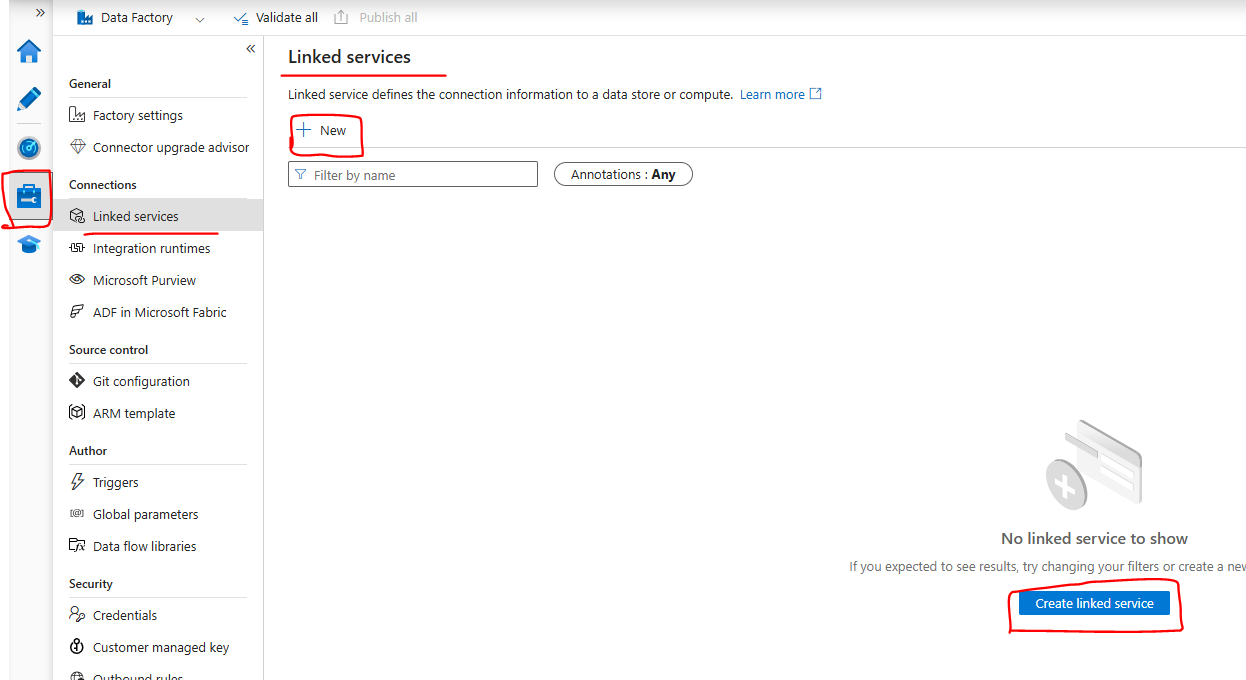


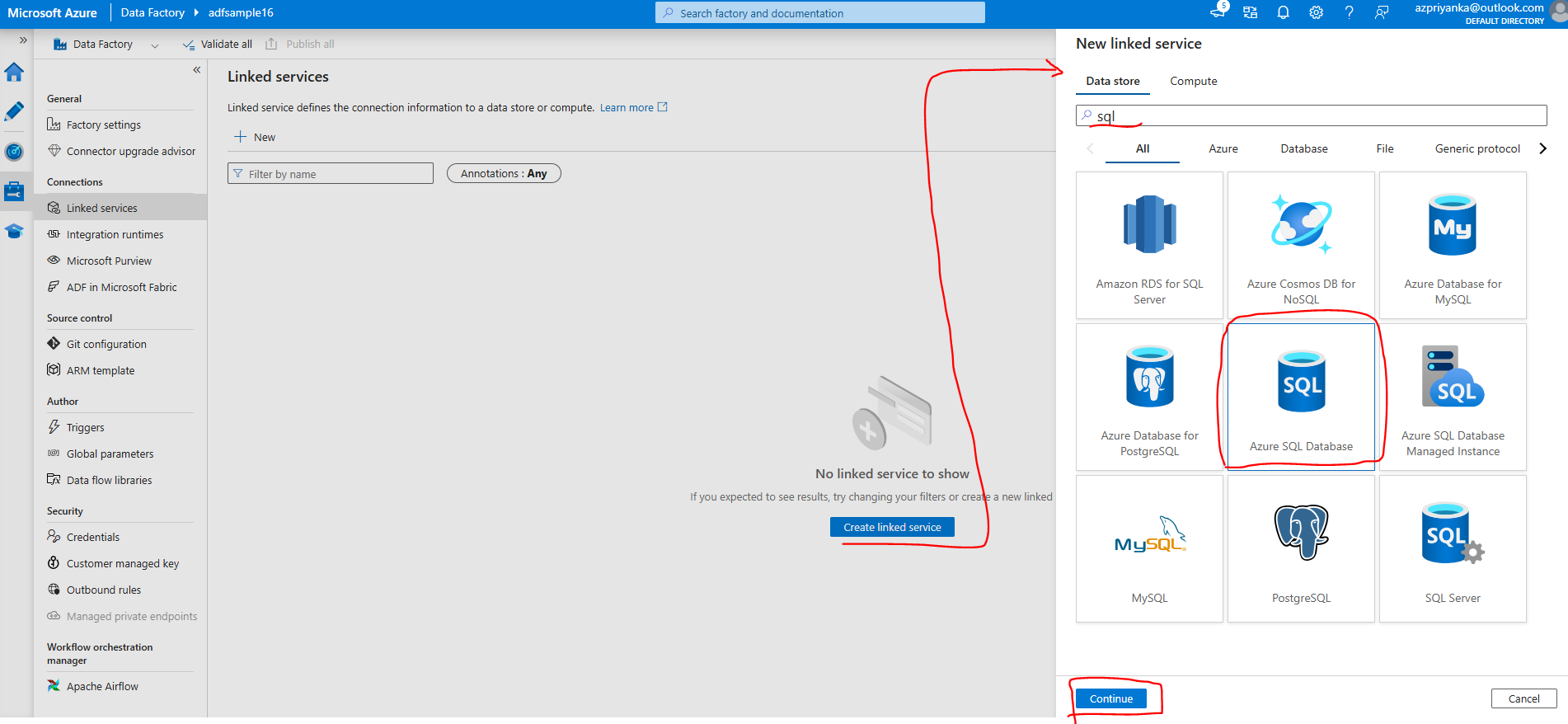


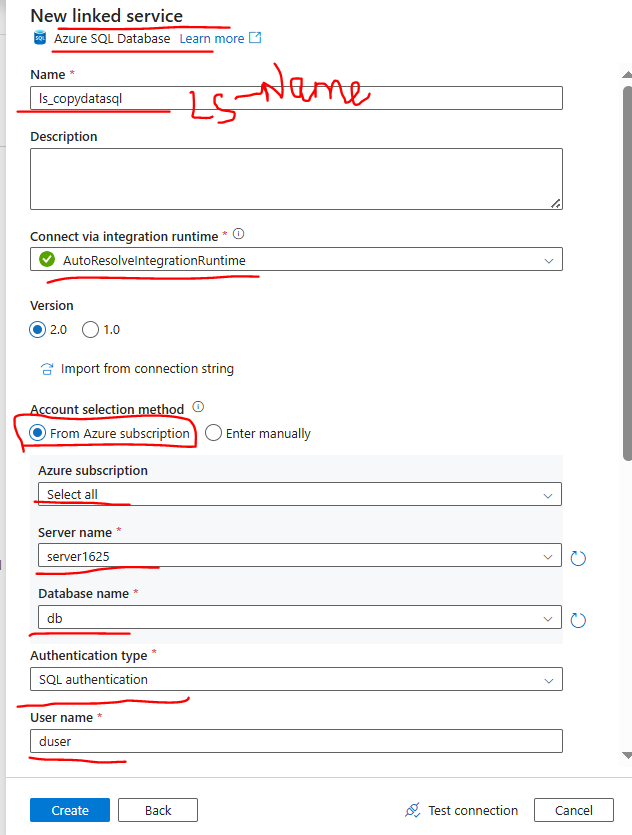


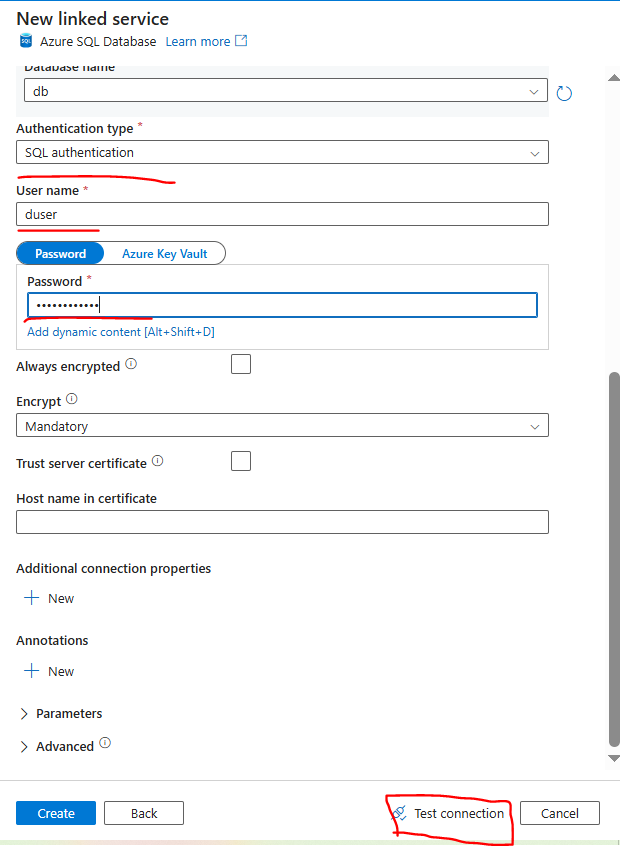


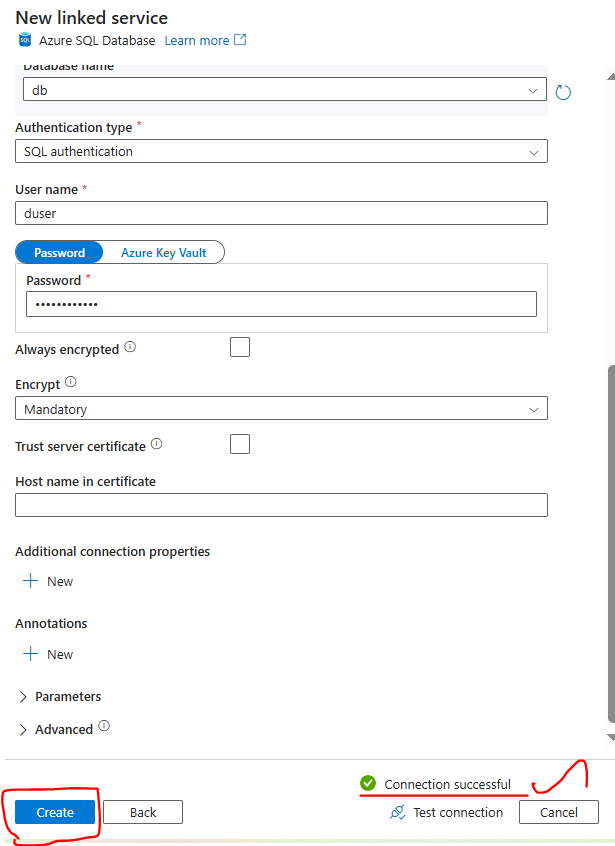
**Creating the Linked Services in ADF**



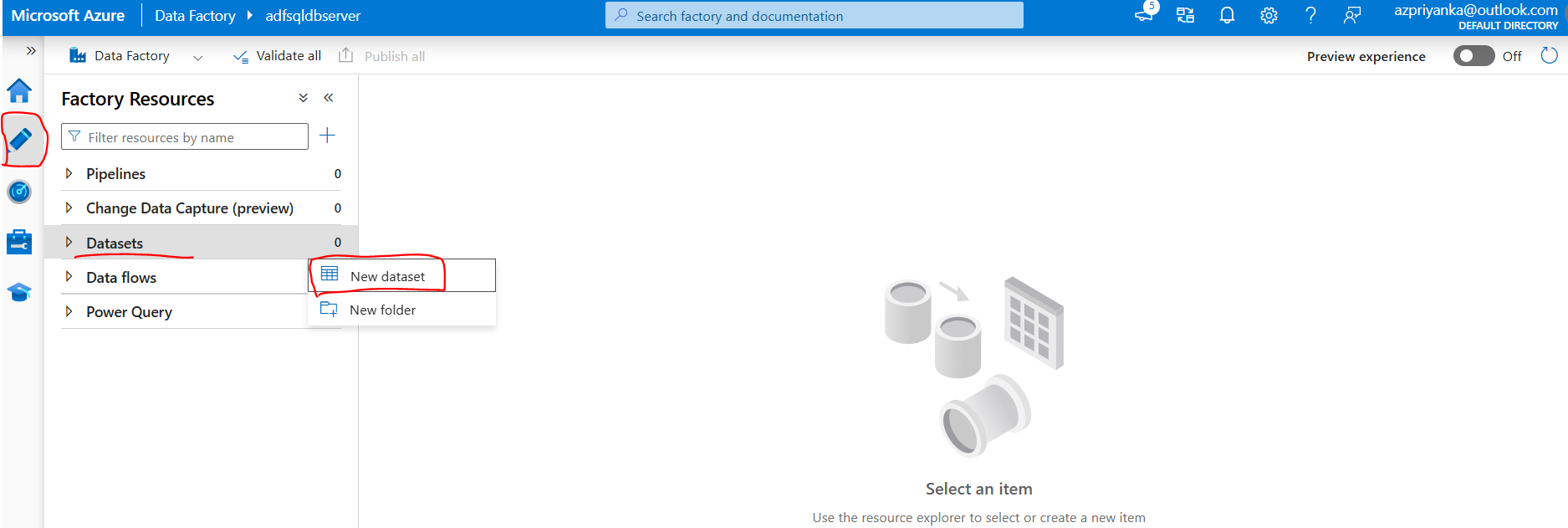


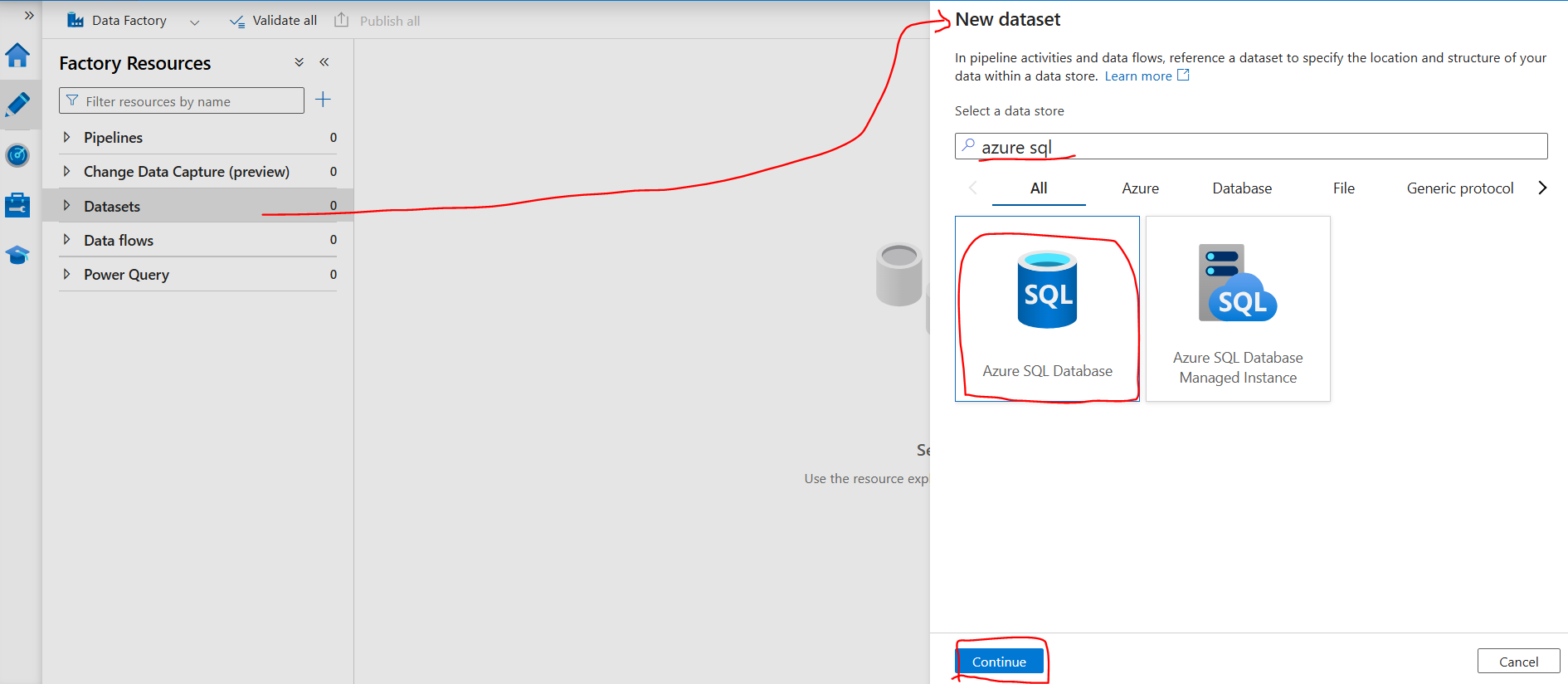


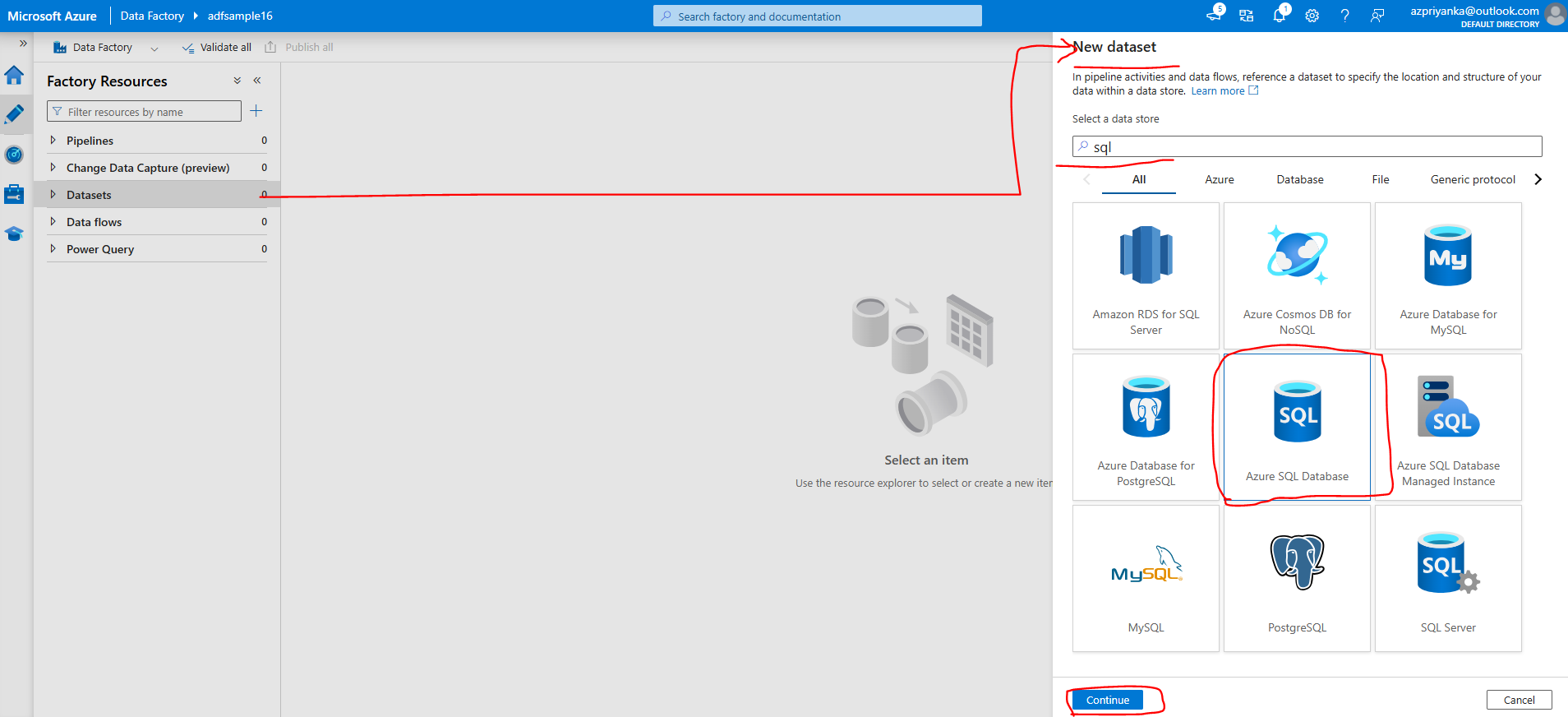


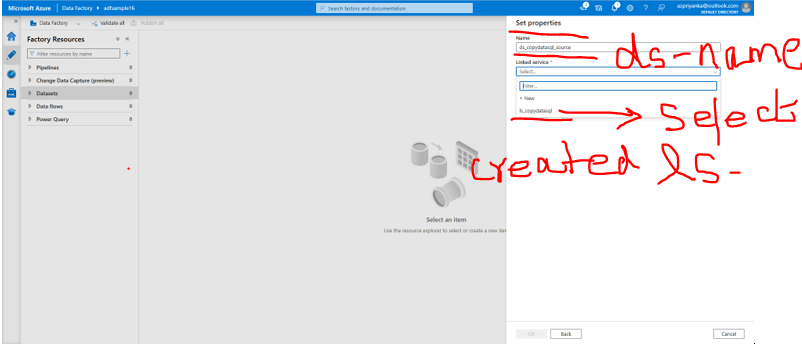


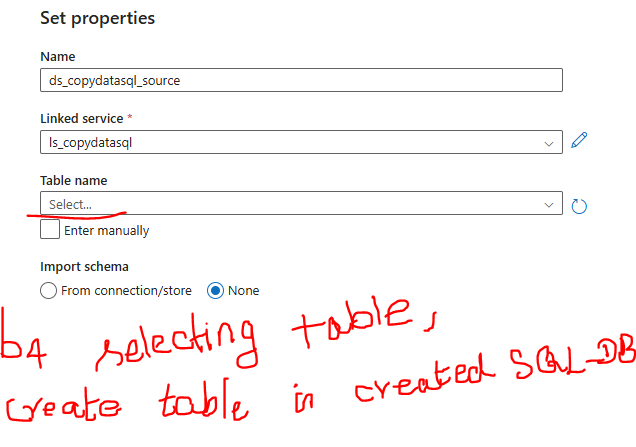
**Creating the Dataset after Linked Services in ADF:**

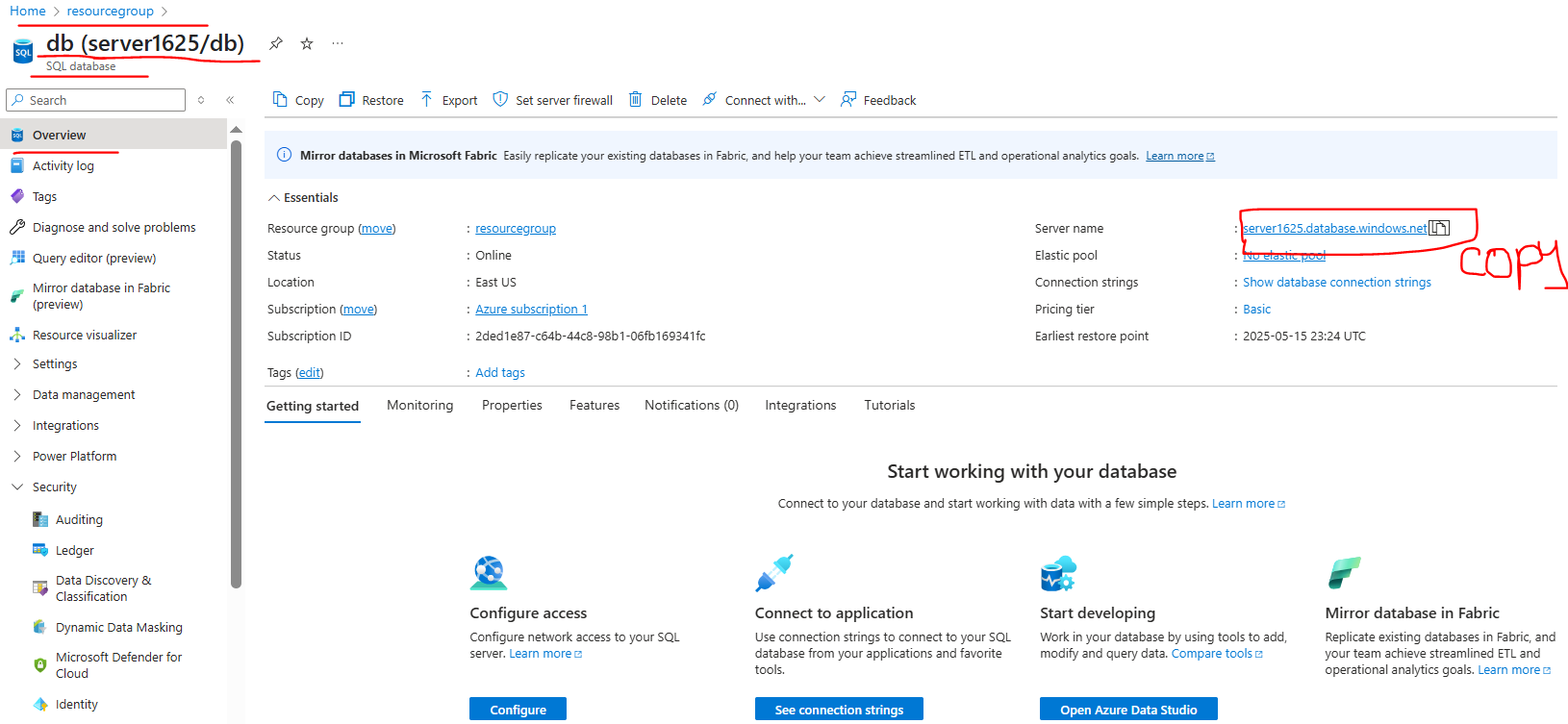


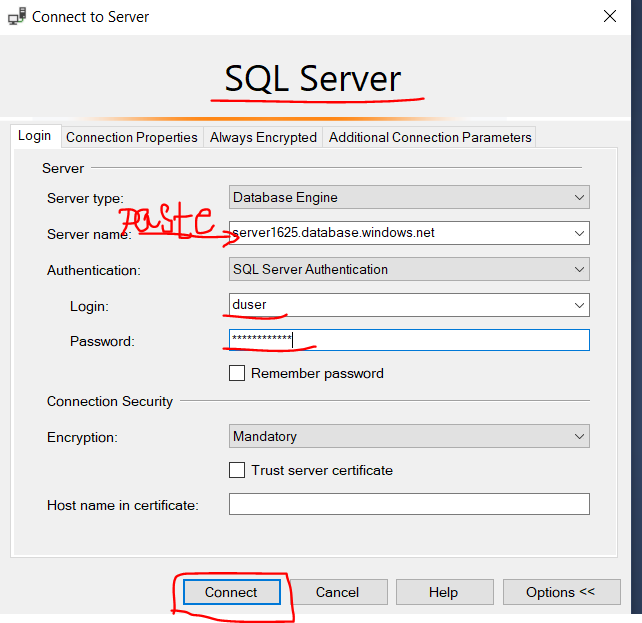


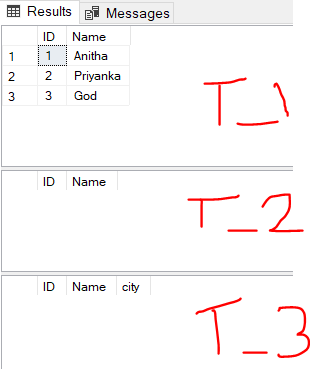
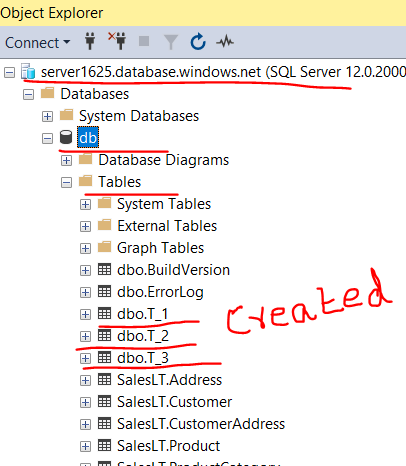


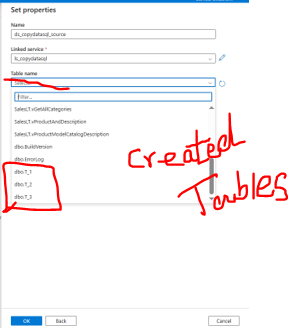
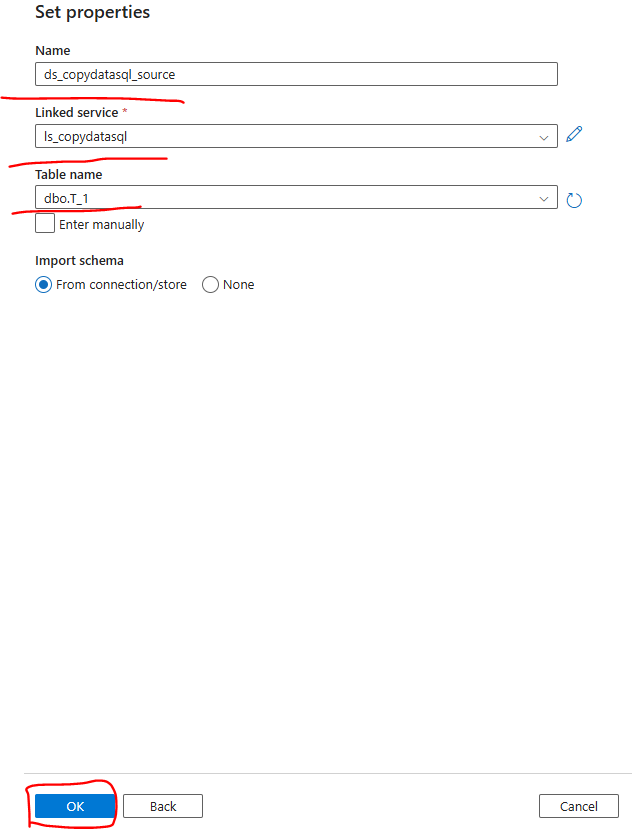


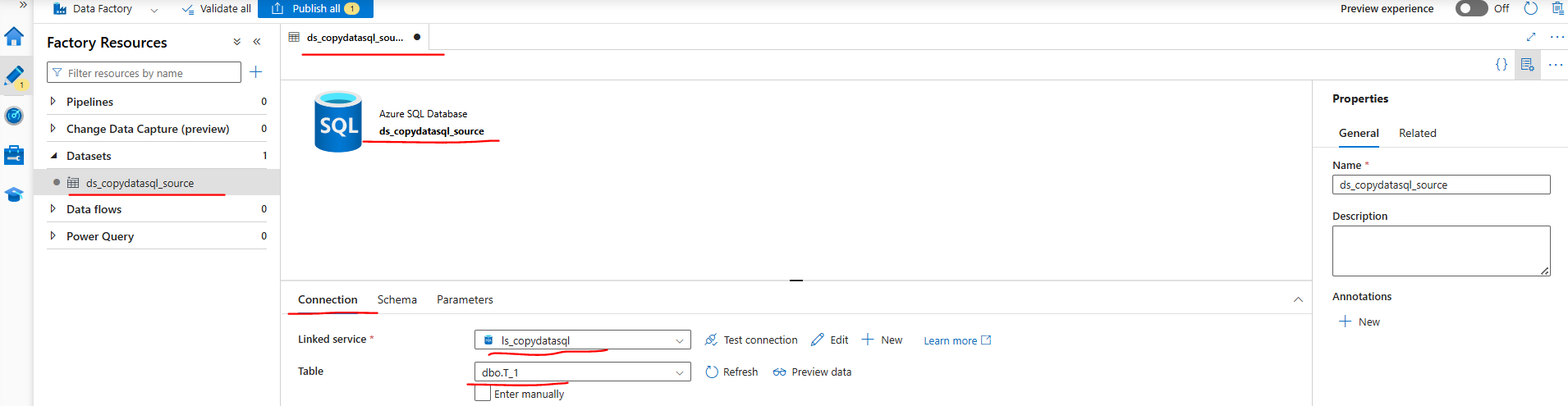




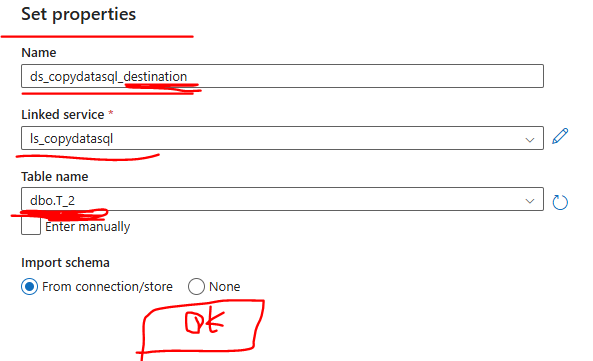






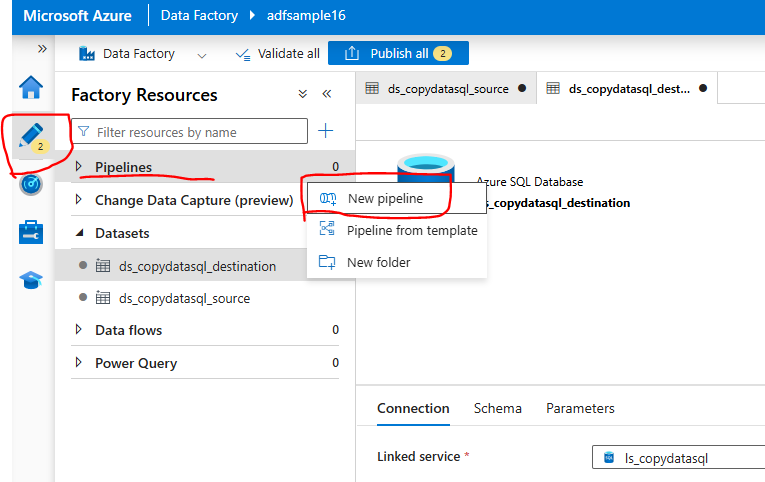
**The same step should be followed to create another destination dataset.**

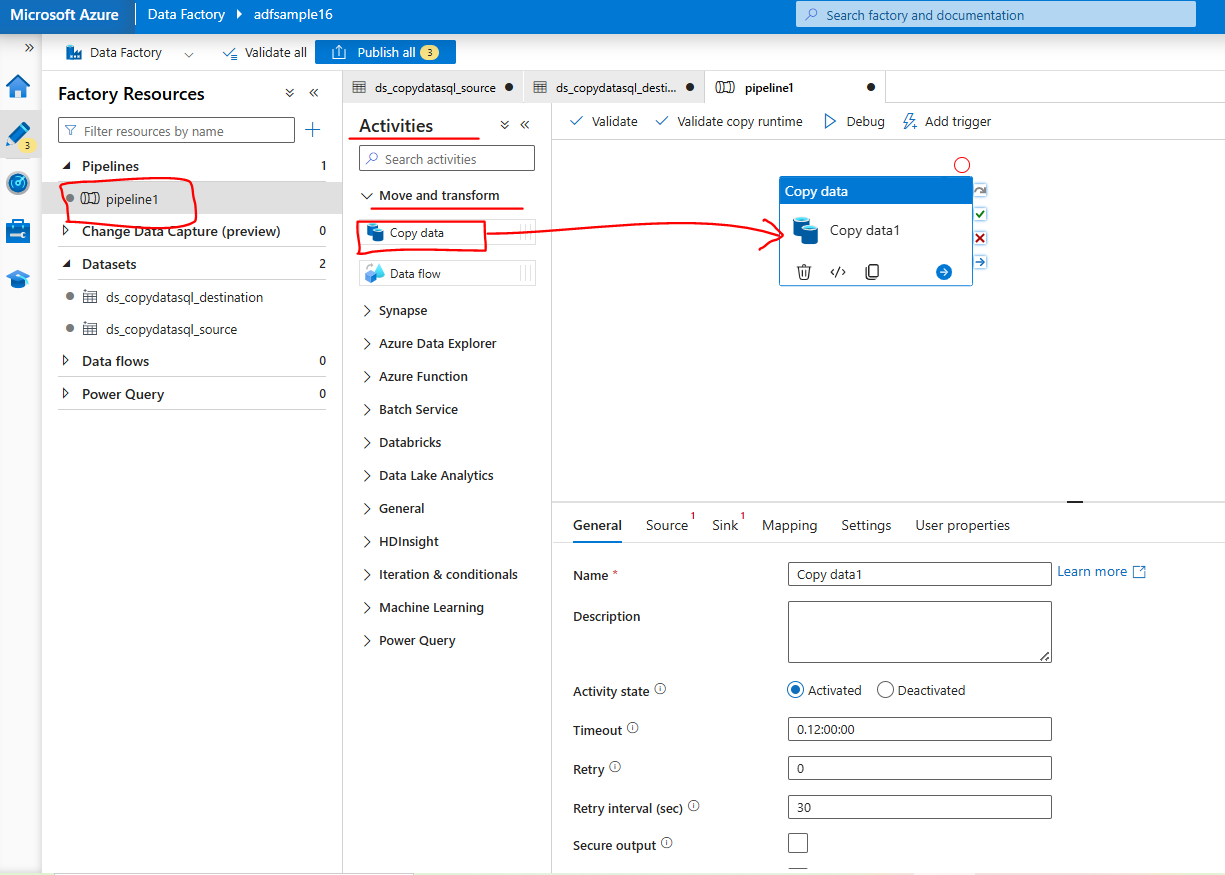


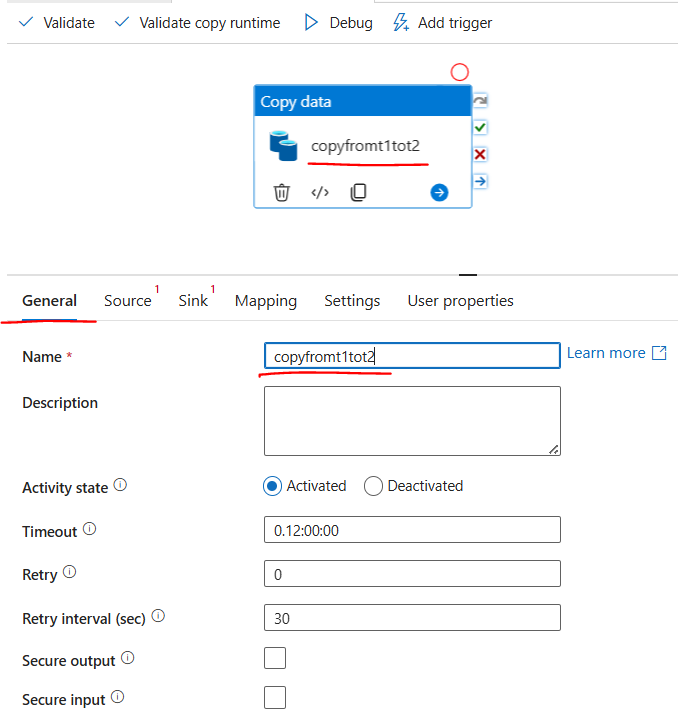


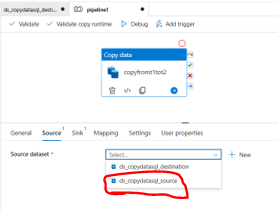
Once the dataset is created, create the pipeline using the **copy data**

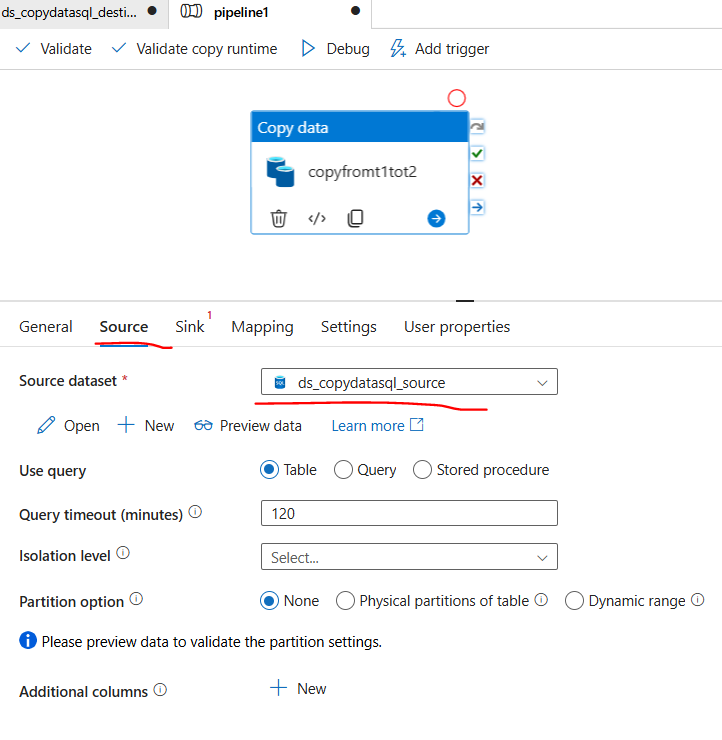
**Creating the Pipeline after Dataset in ADF:**

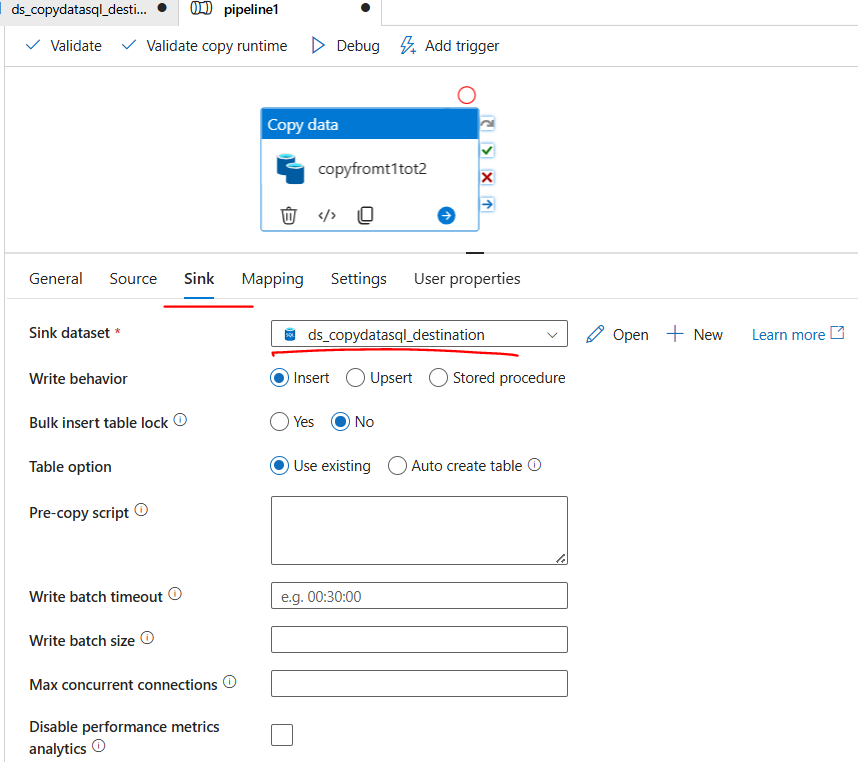


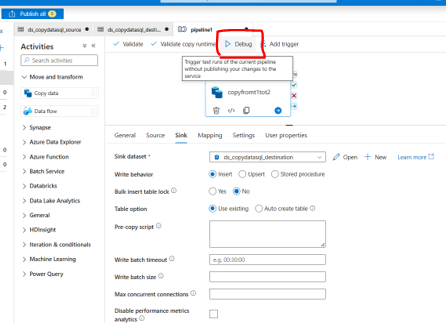


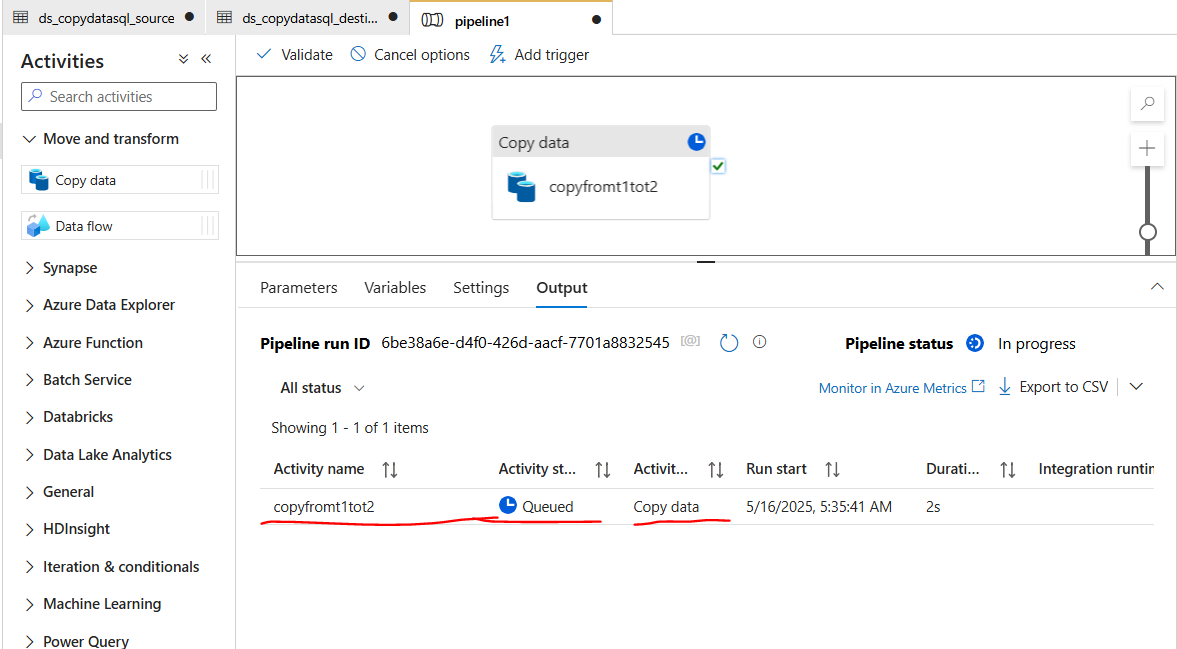


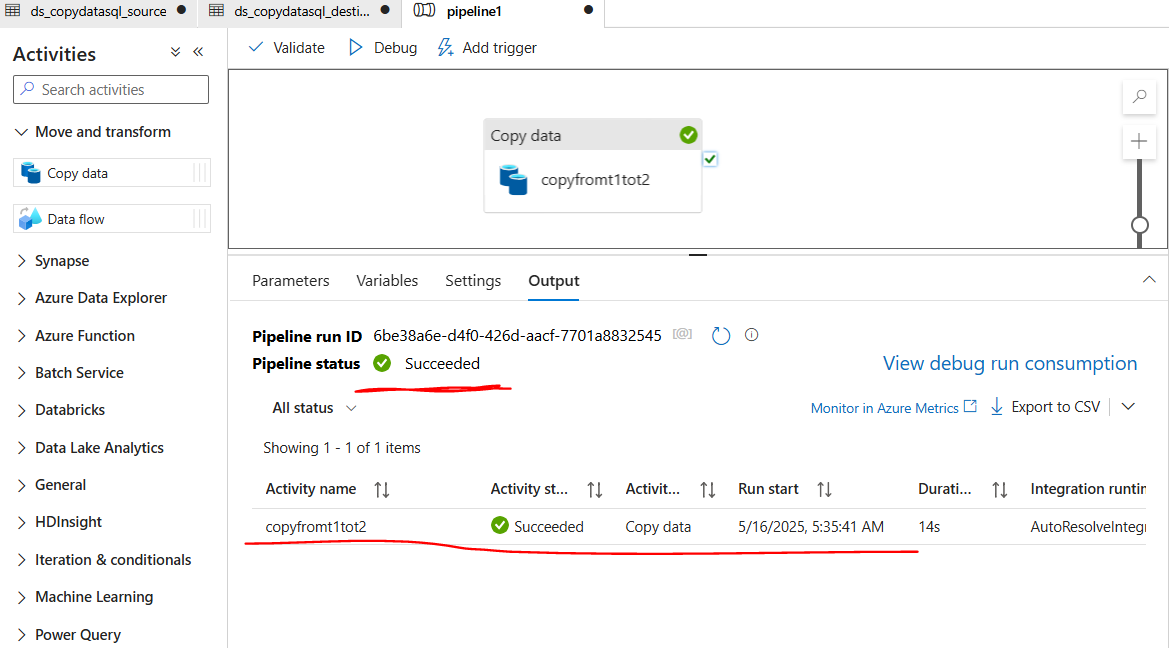






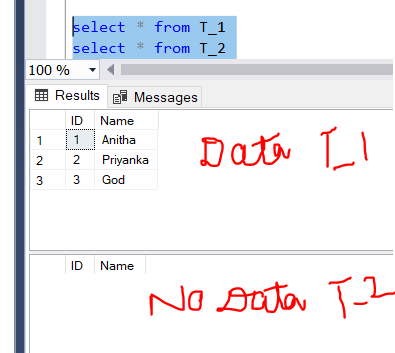






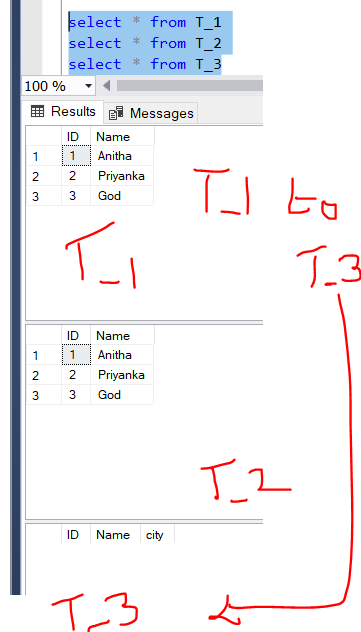
Now, go to the SQL Server application

Select the t1 and t2 table

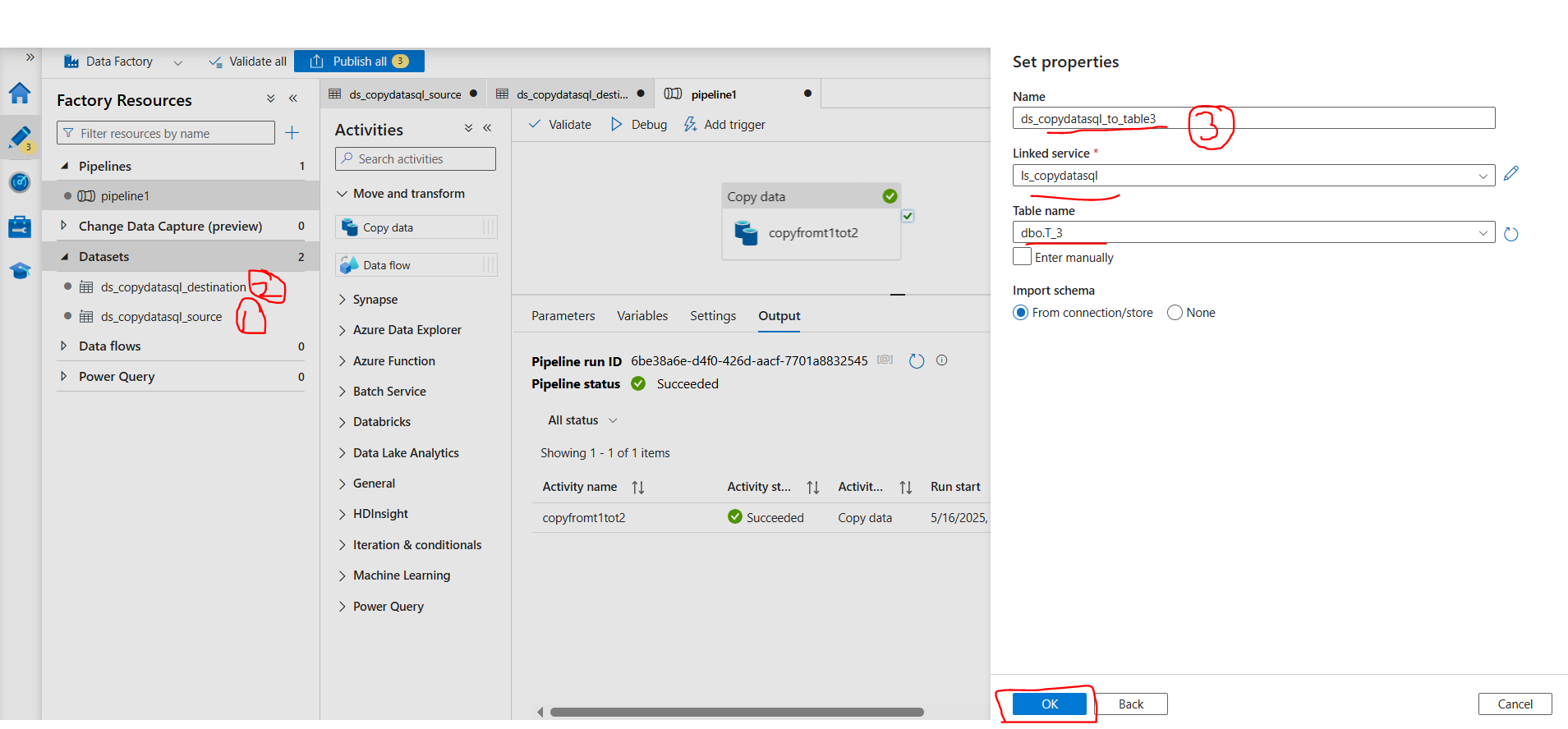
 

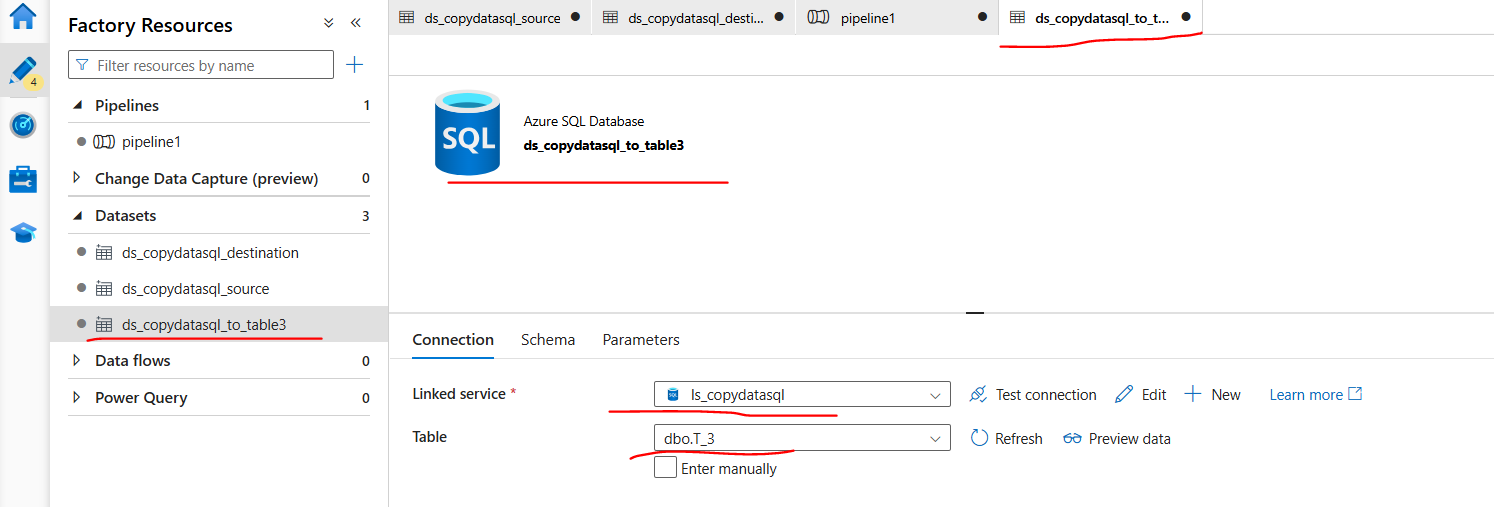
After doing the ADF-Copy Data, the data from T\_1 has been copied to T\_2.

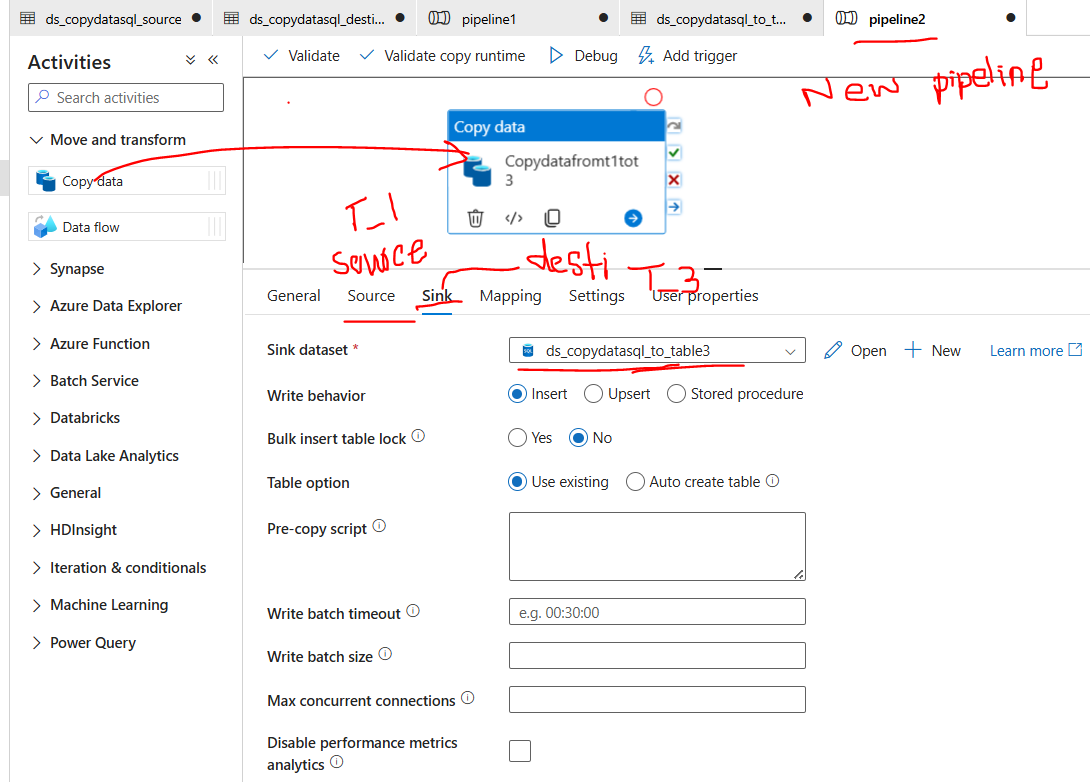
Coping the data from T\_1 to T\_3 which is having 3 columns in T\_3 and 2 columns in T\_1

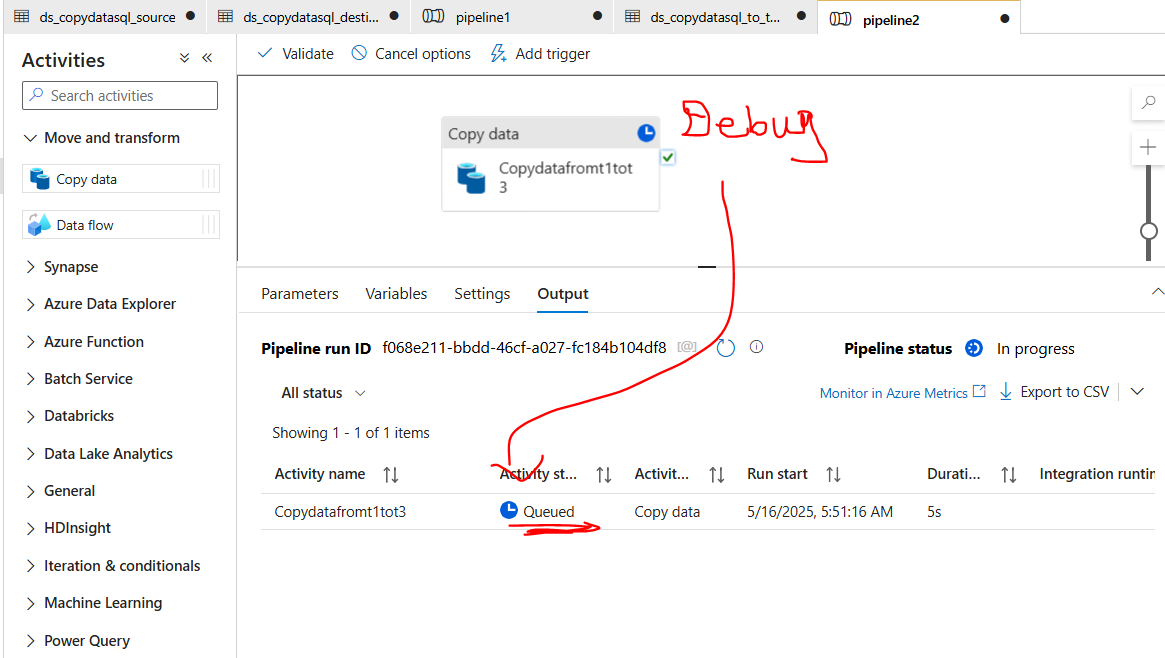


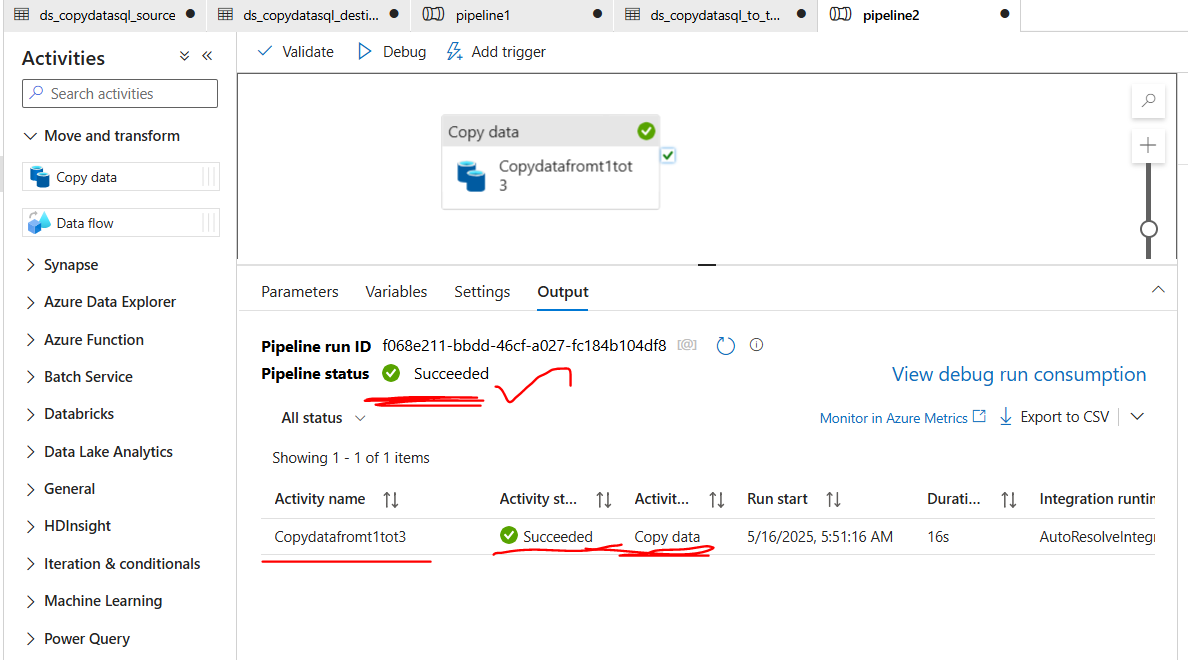
Create a new **Data Set to copy data from T\_1 to T\_3**.



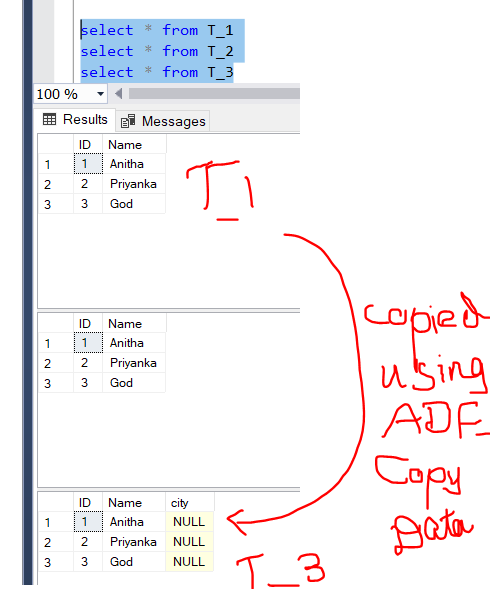






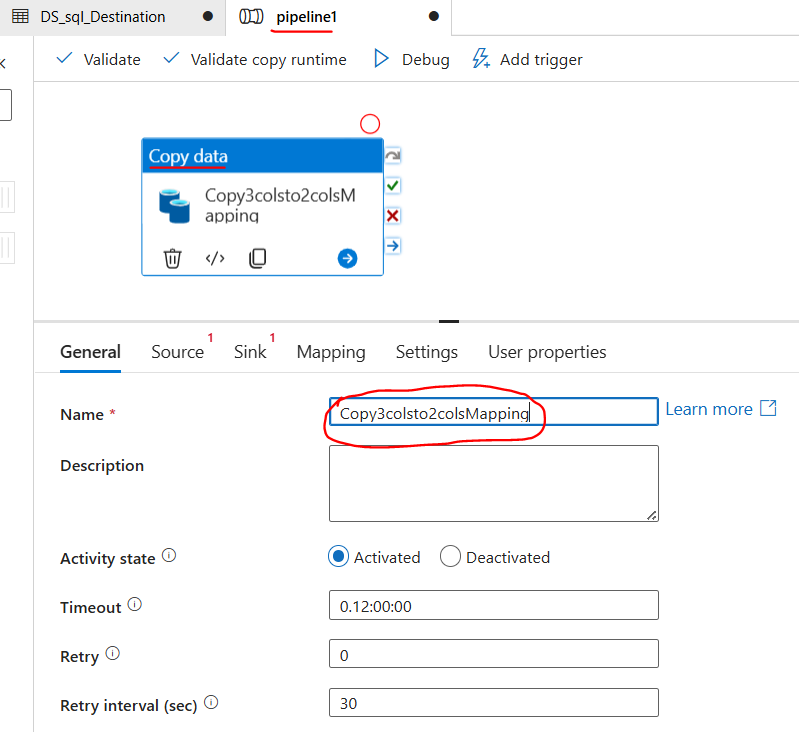


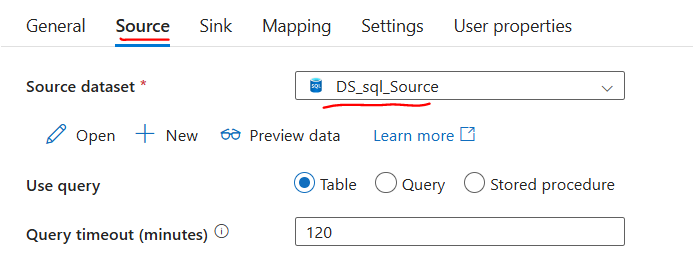
Now, check the table on the SQL Server.

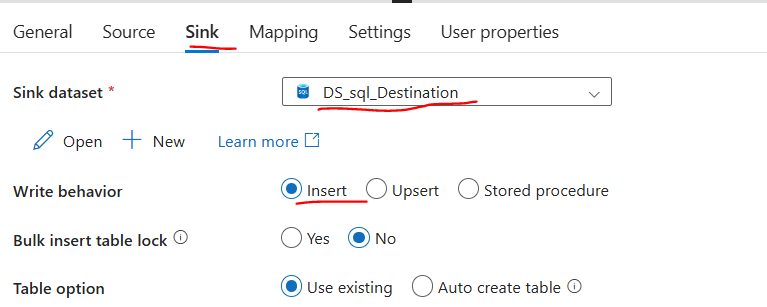


If the source table has 3 columns and destination has 2 columns,We get error while copying.So Mapping,Power Query is used to copy specific columns.

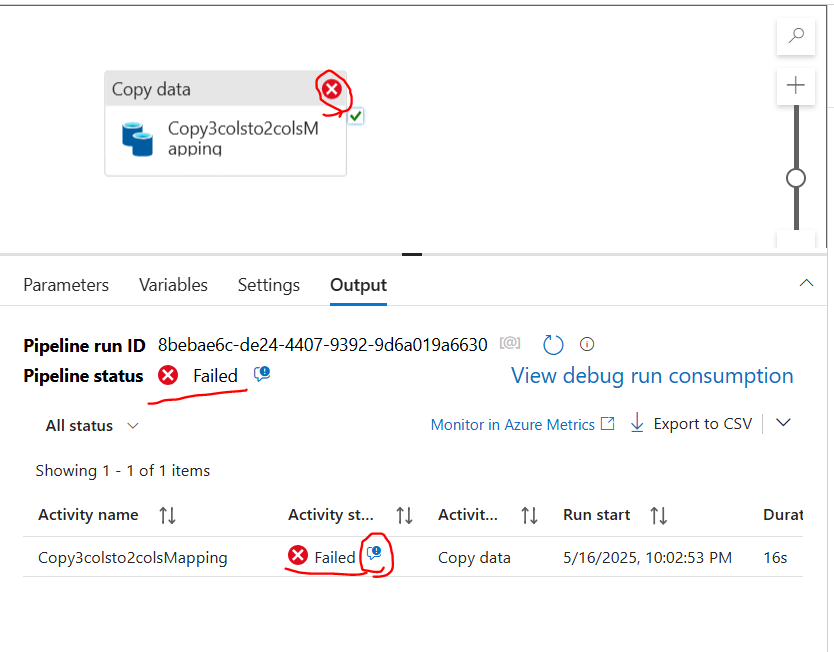
1. Create one Linked service
2. Create two datasets for source and destination.
3. Create Pipeline-Mapping is used to avoid above error.

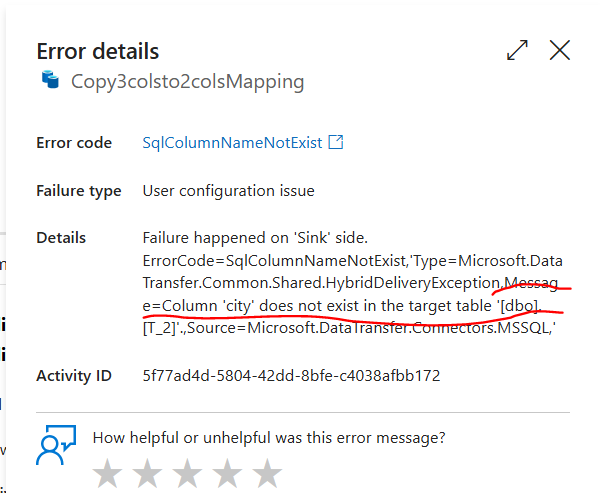


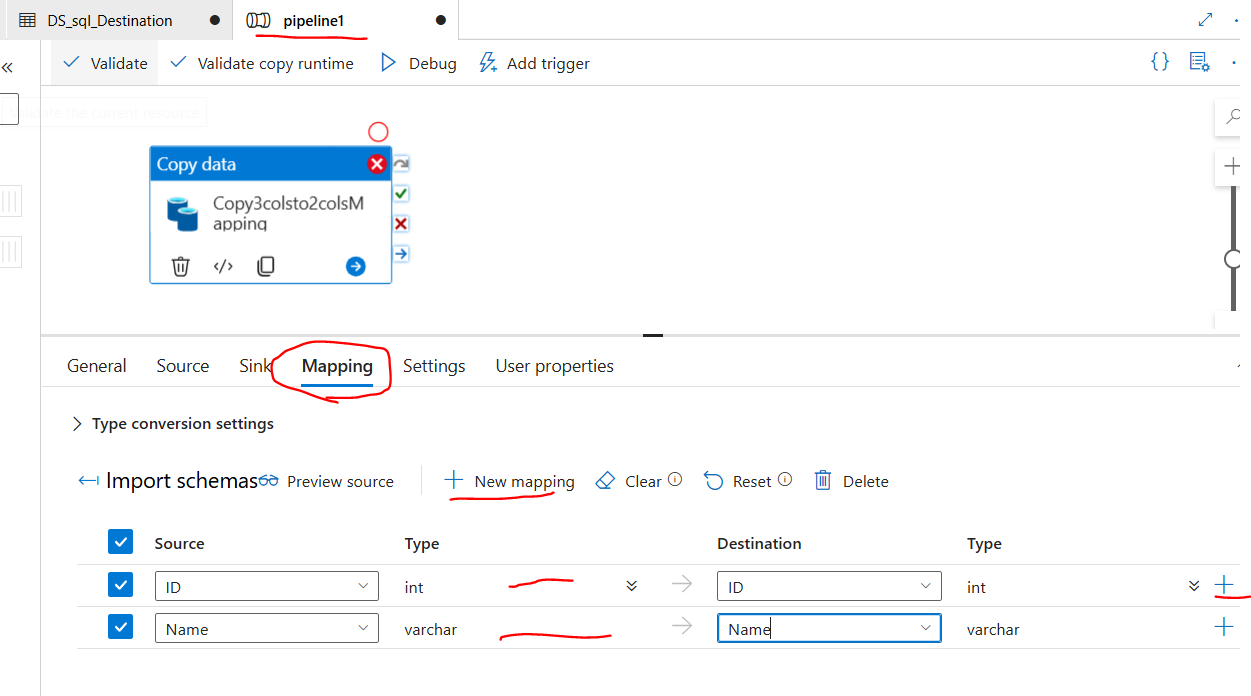


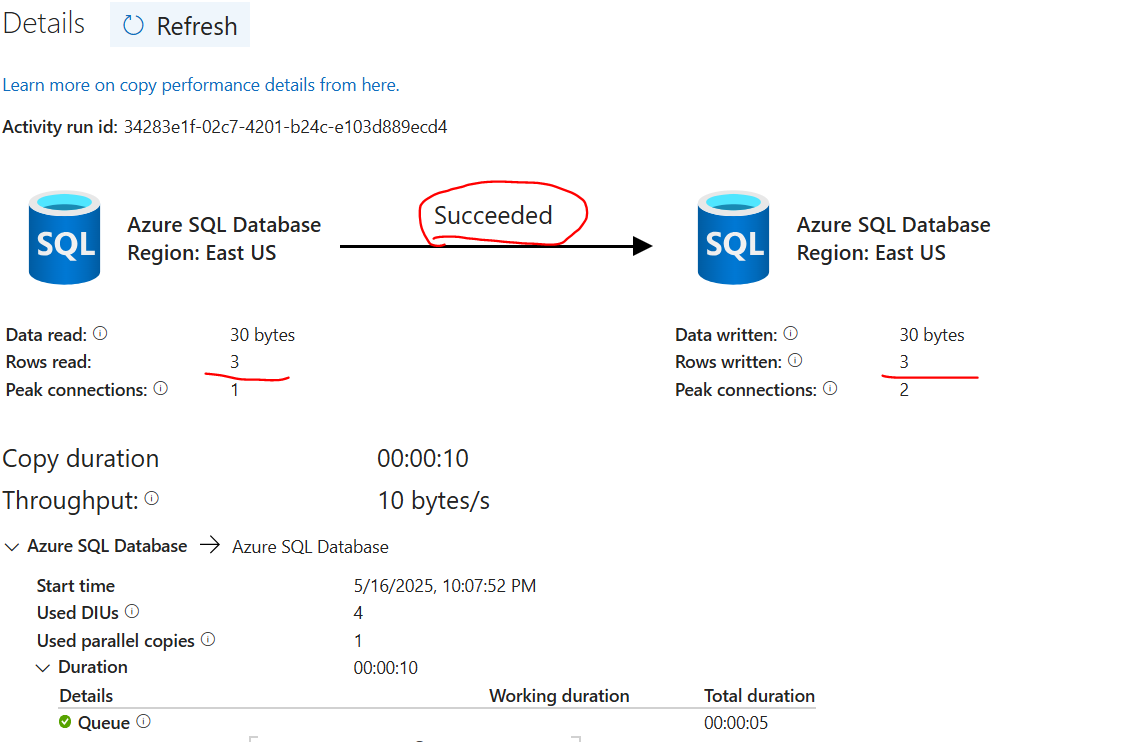


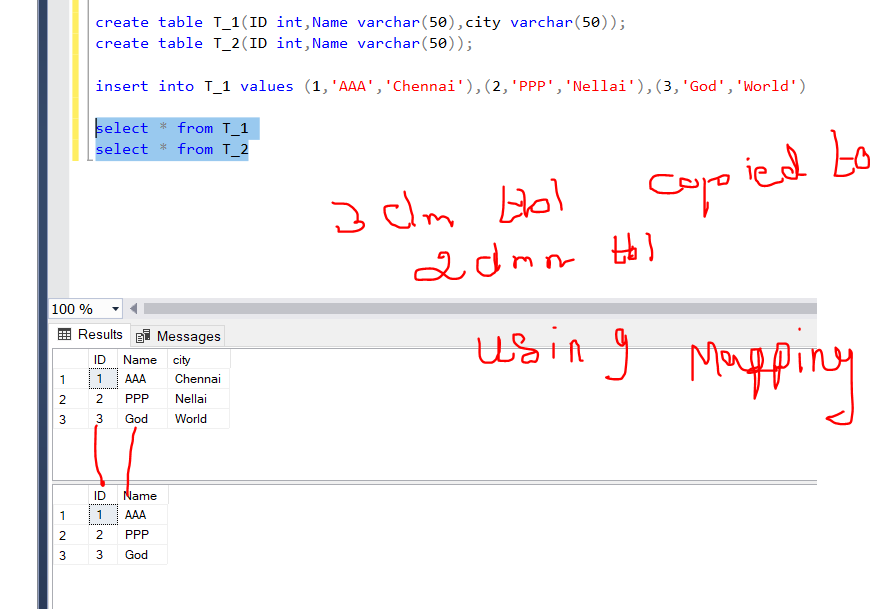
**Debug Pipeline.We will get the following error message.**



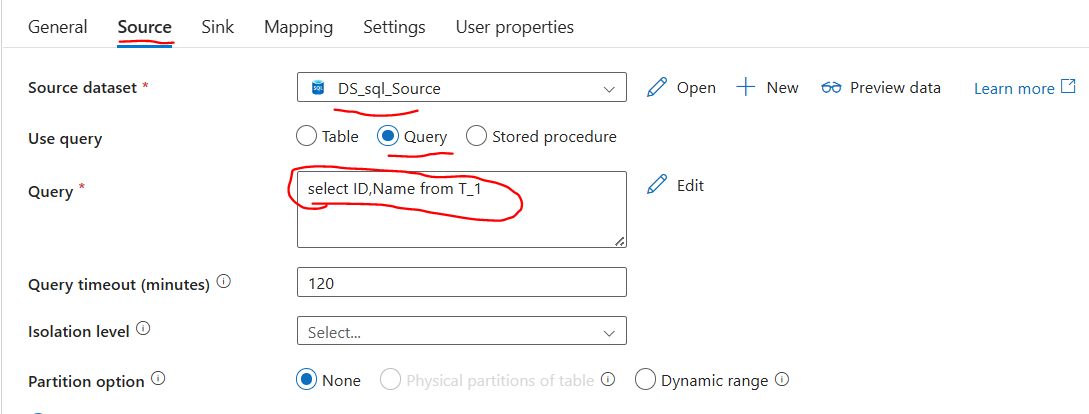




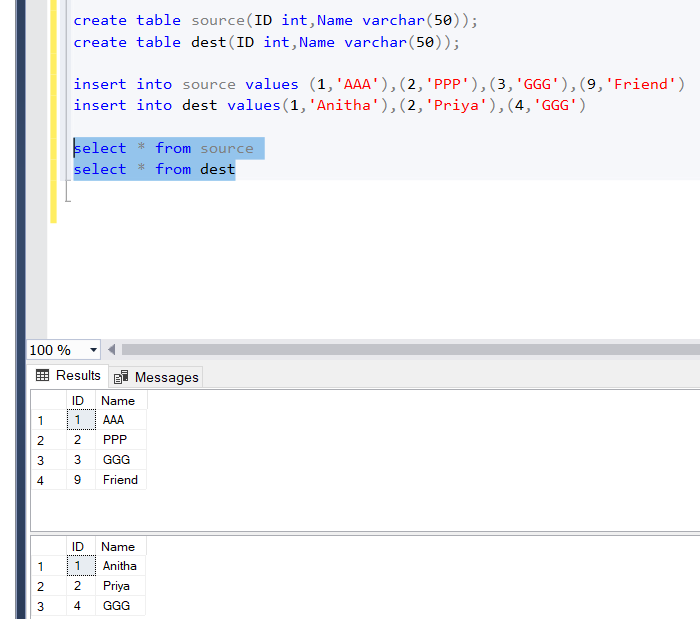


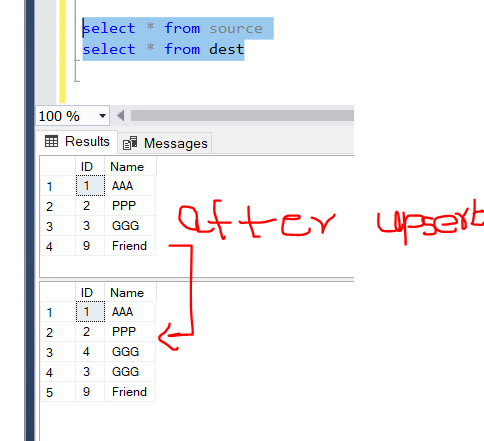


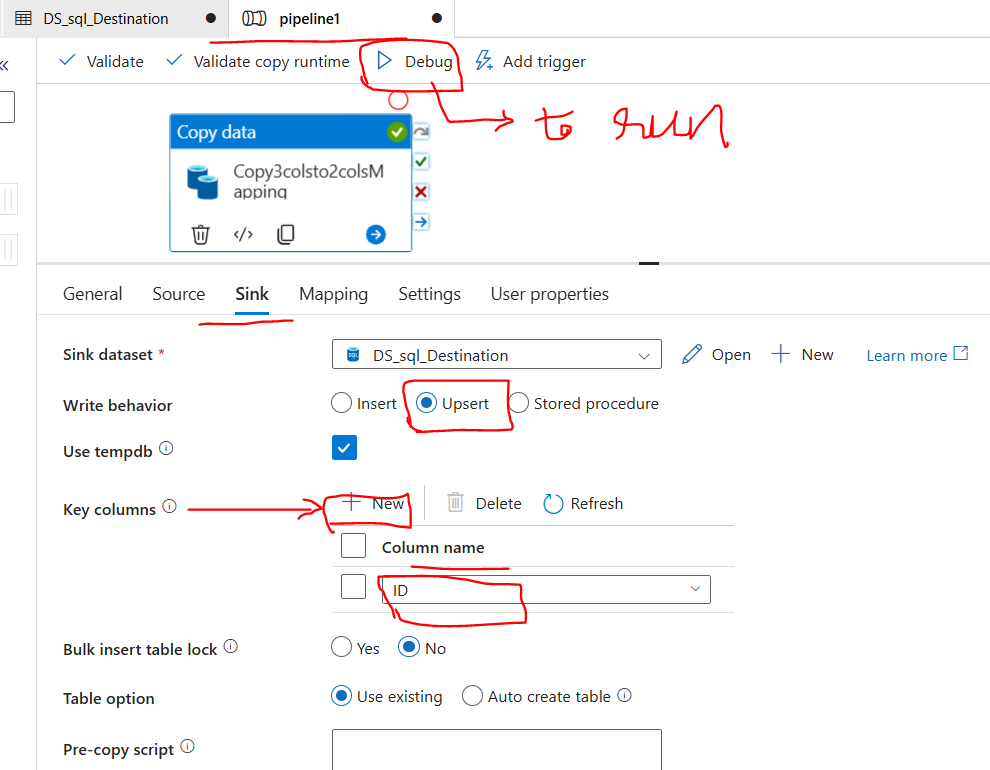
**Alternate way for Mapping-Use Query**



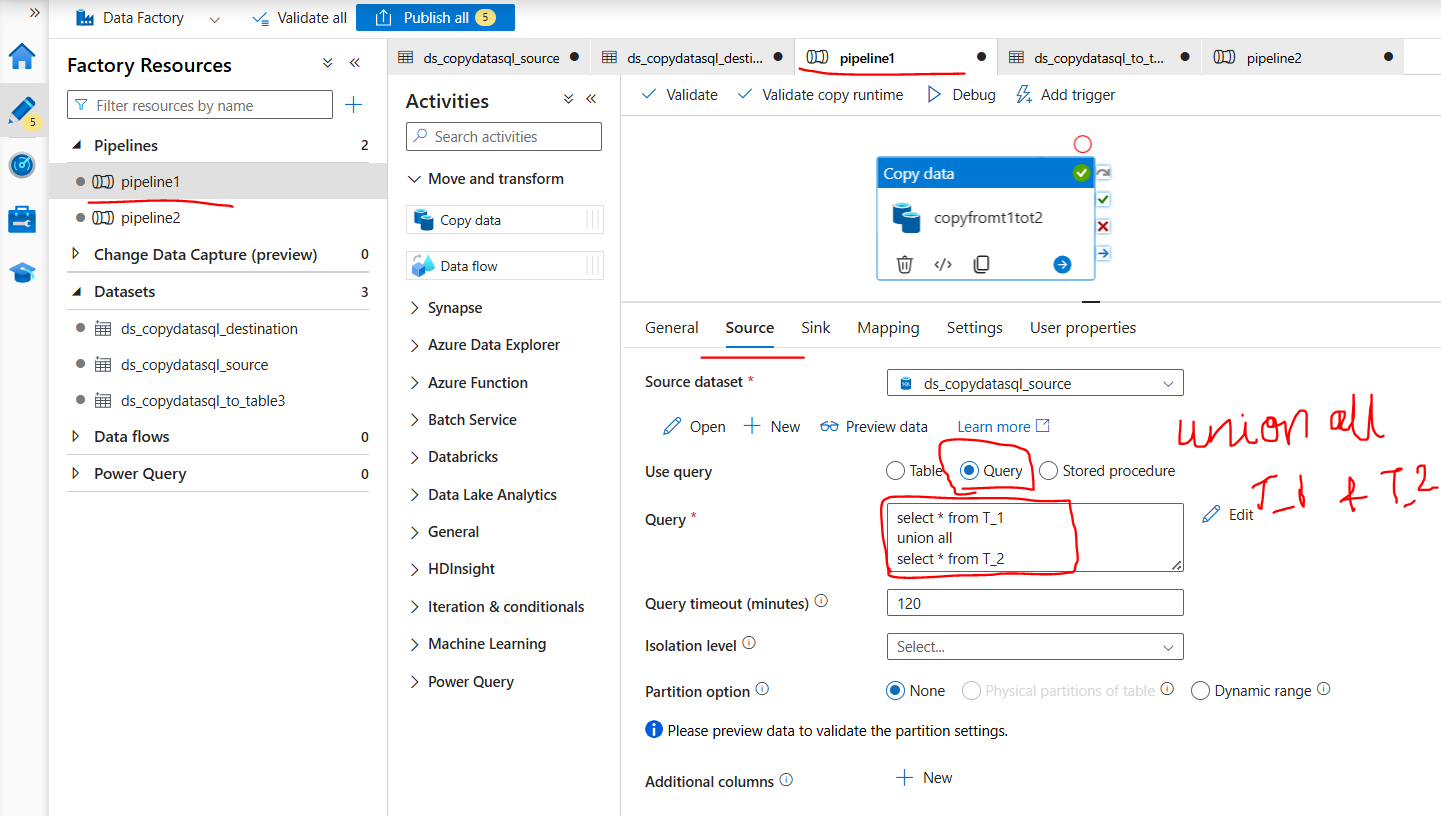
**Upserting in Pipeline:**

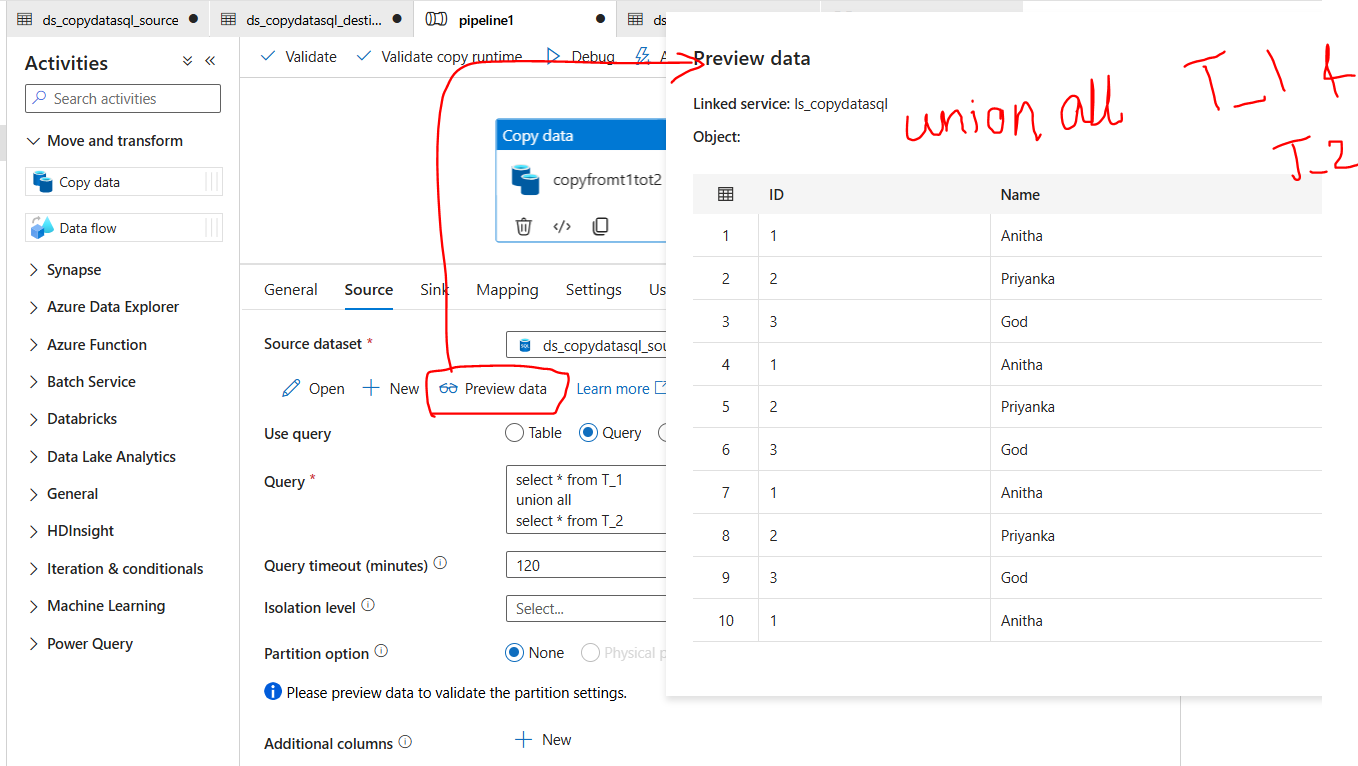






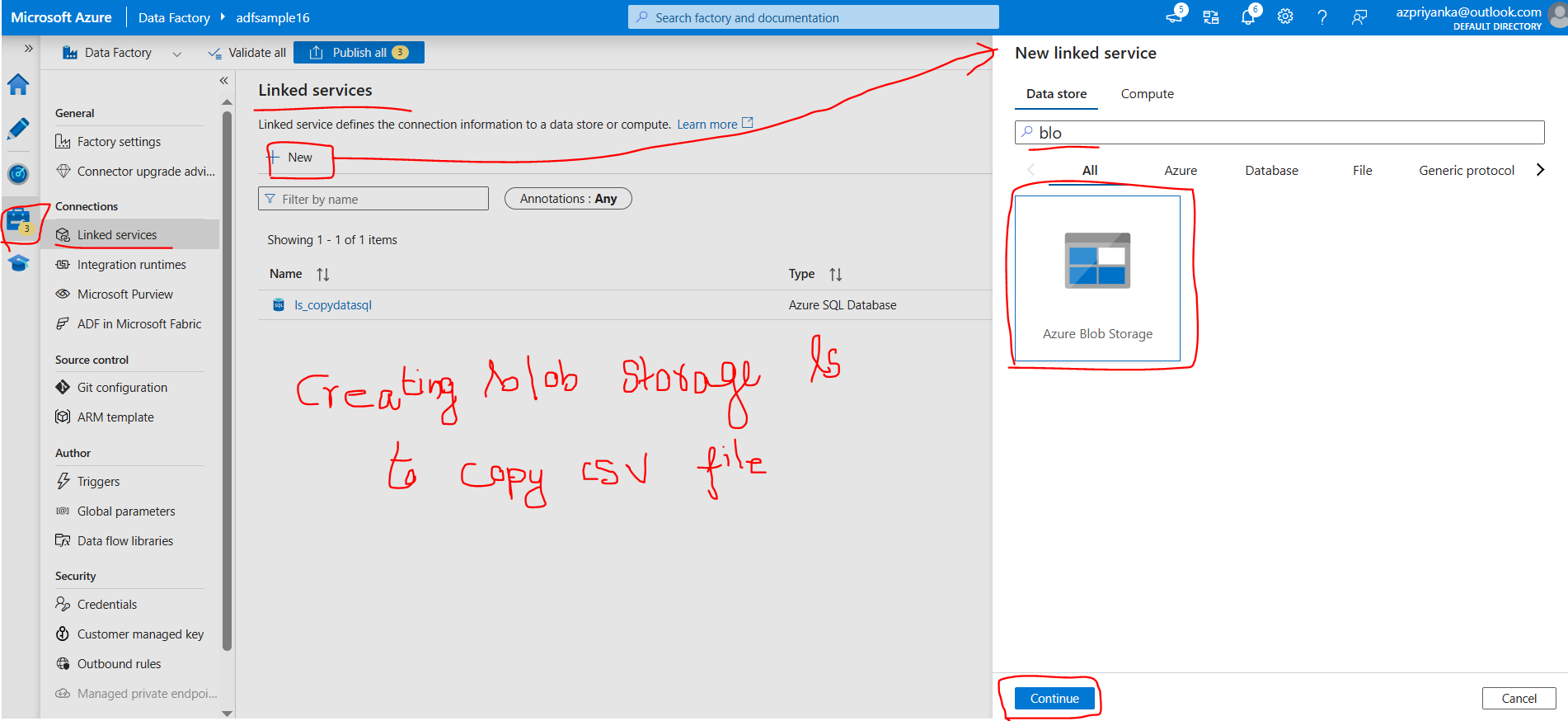
**Union All-Query in Pipeline:**

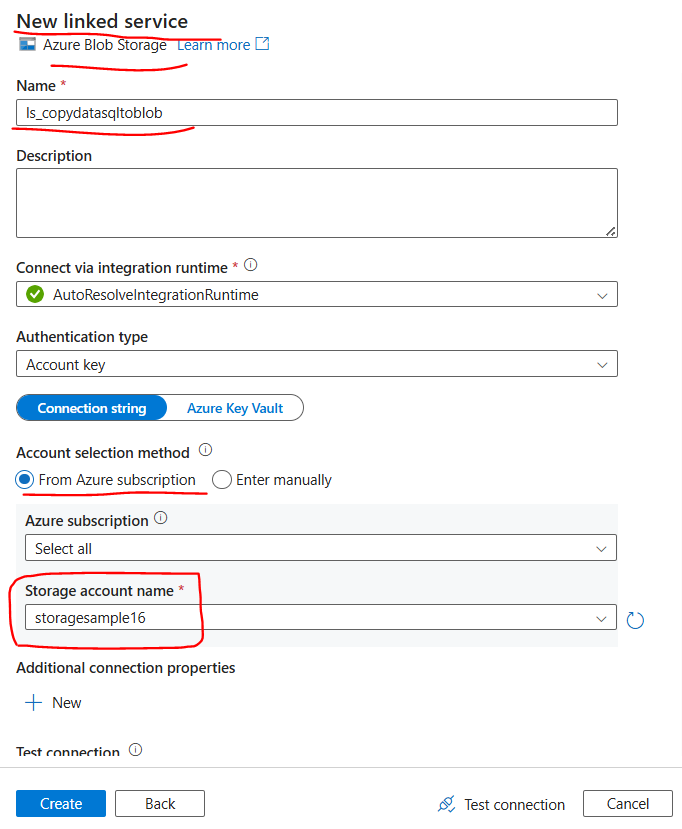


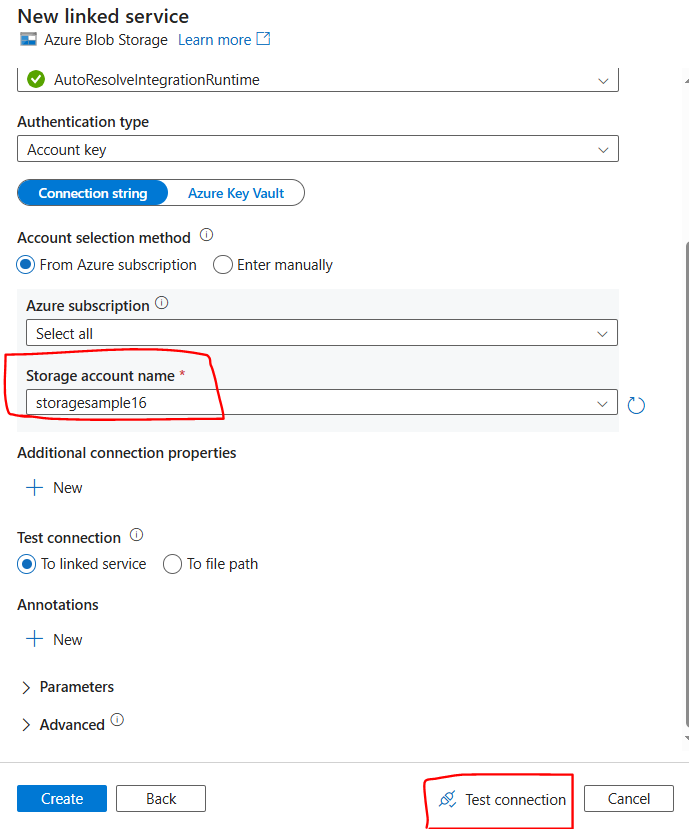
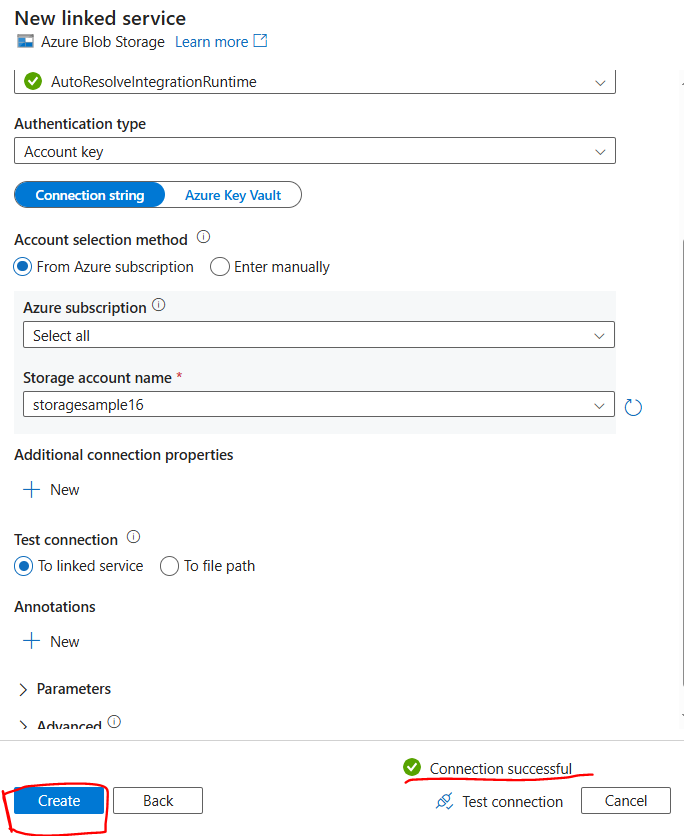


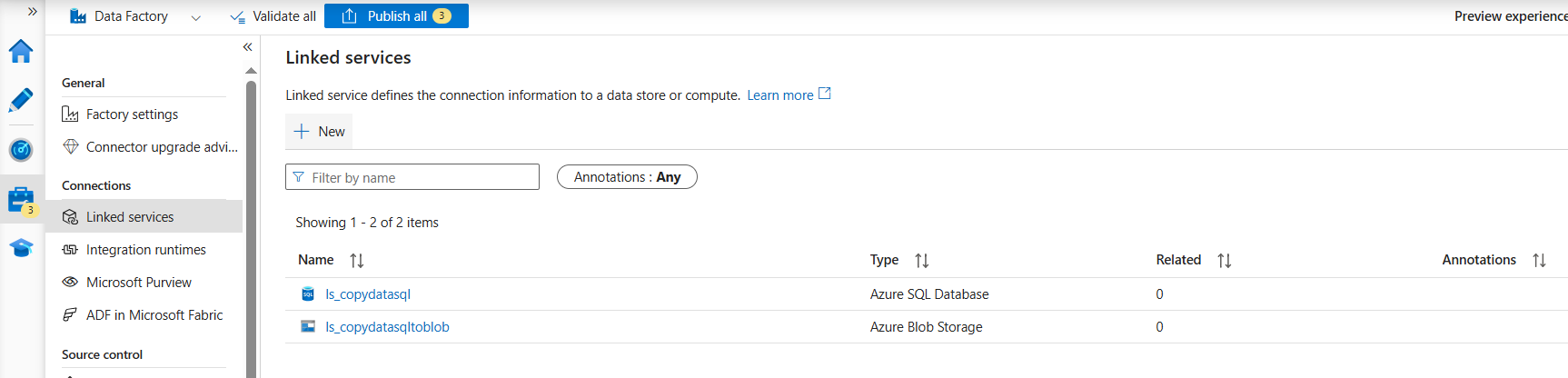
**Creating Blob storage Linked Services:**

**To copy the SQL table data into a CSV file.**

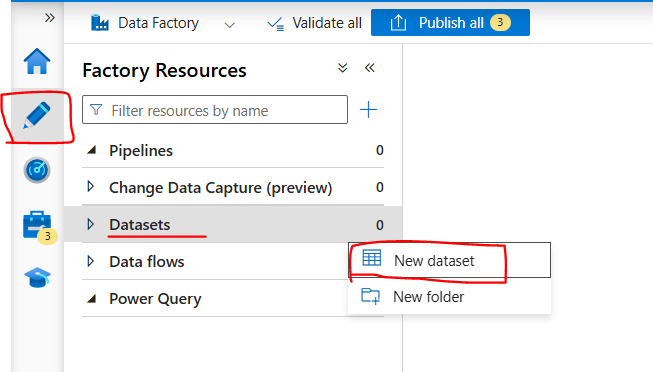


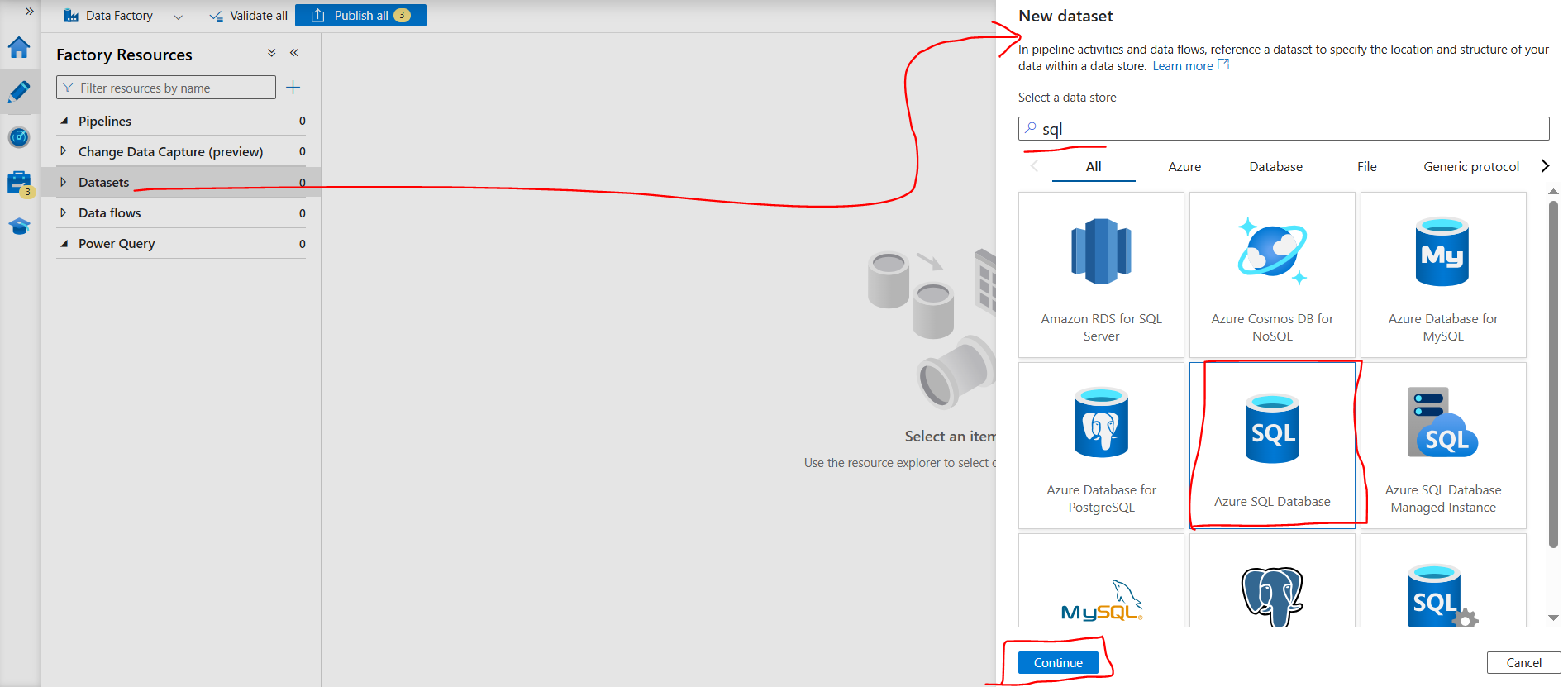


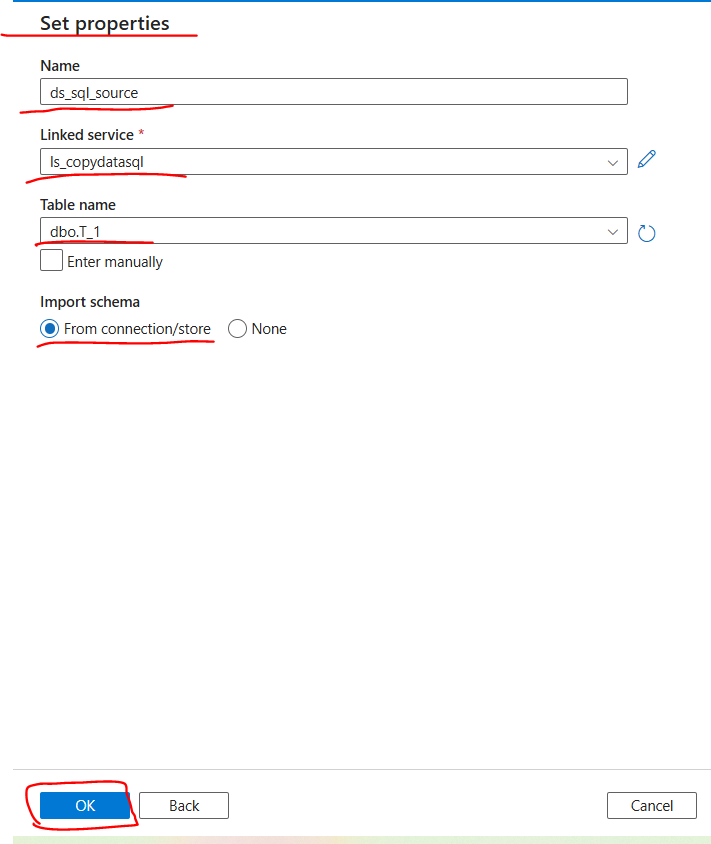
 

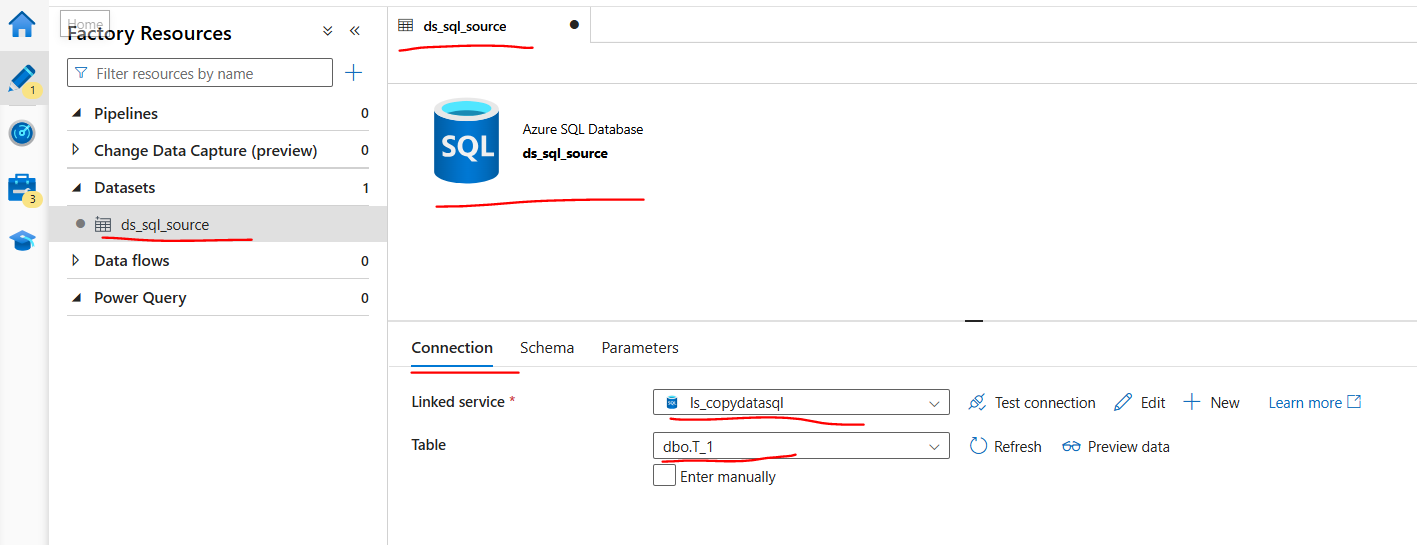


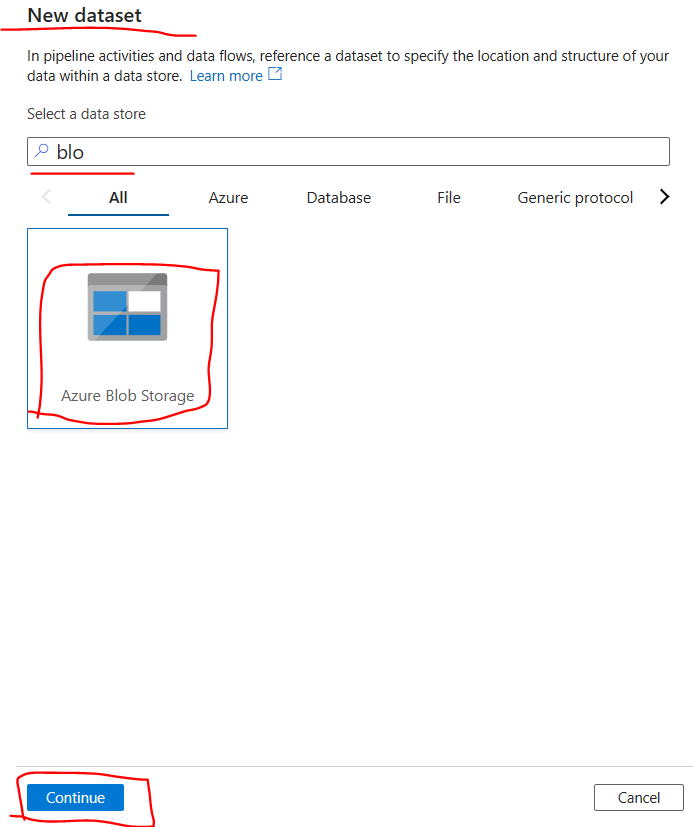
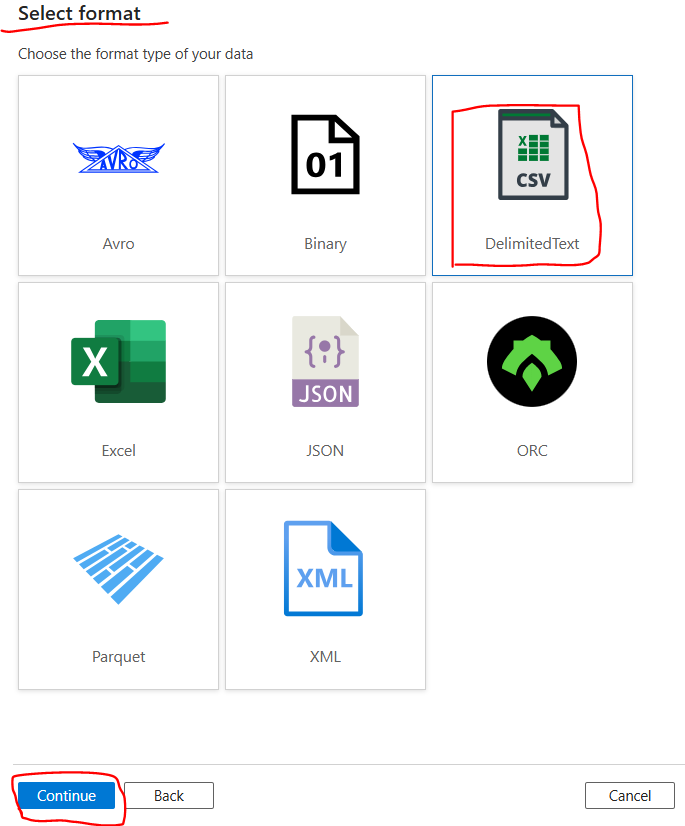
**Now, create the Dataset**

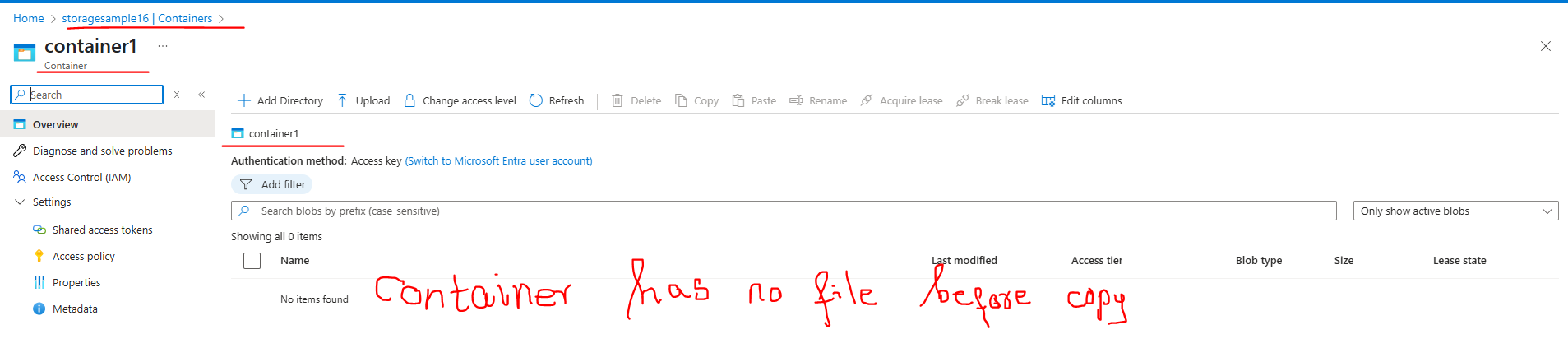


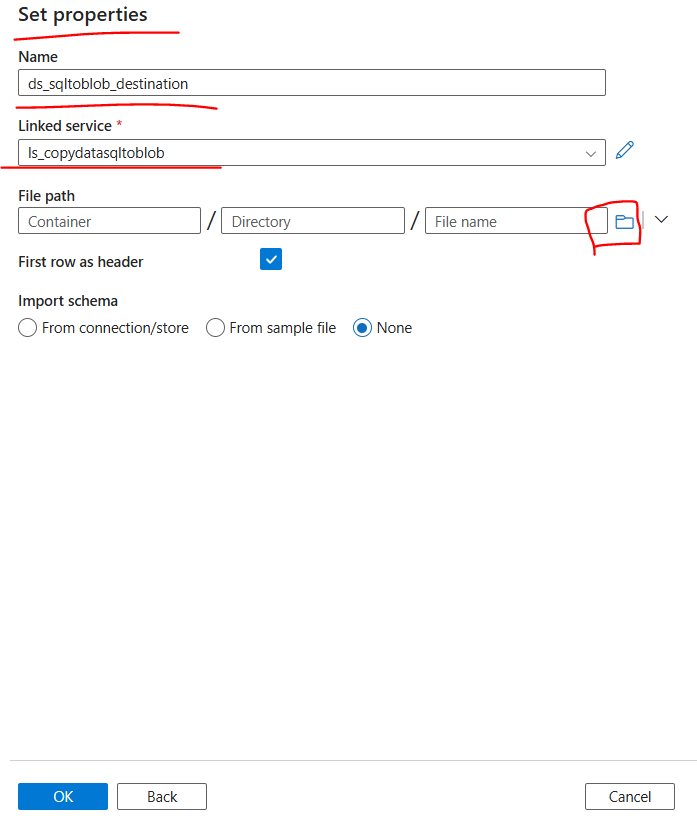


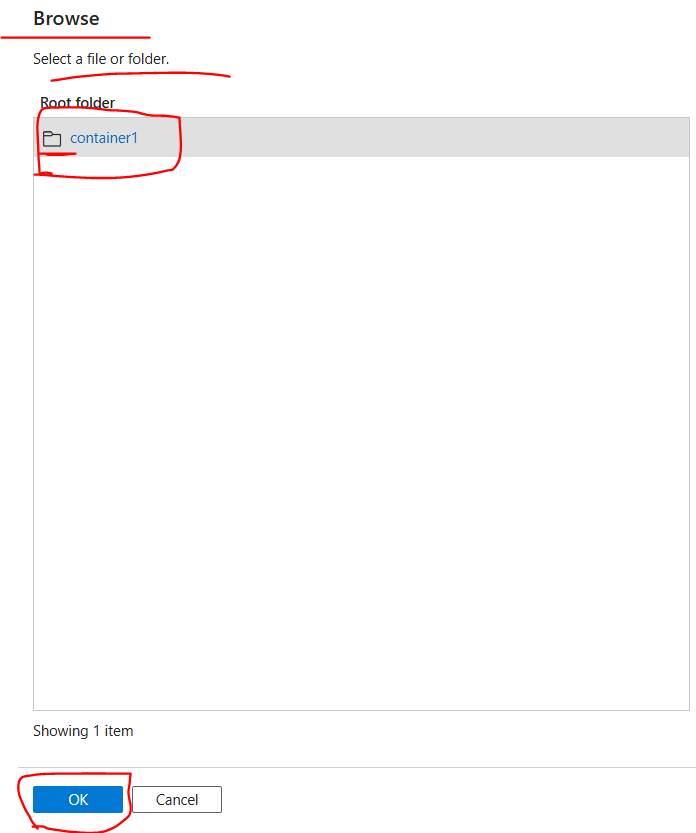




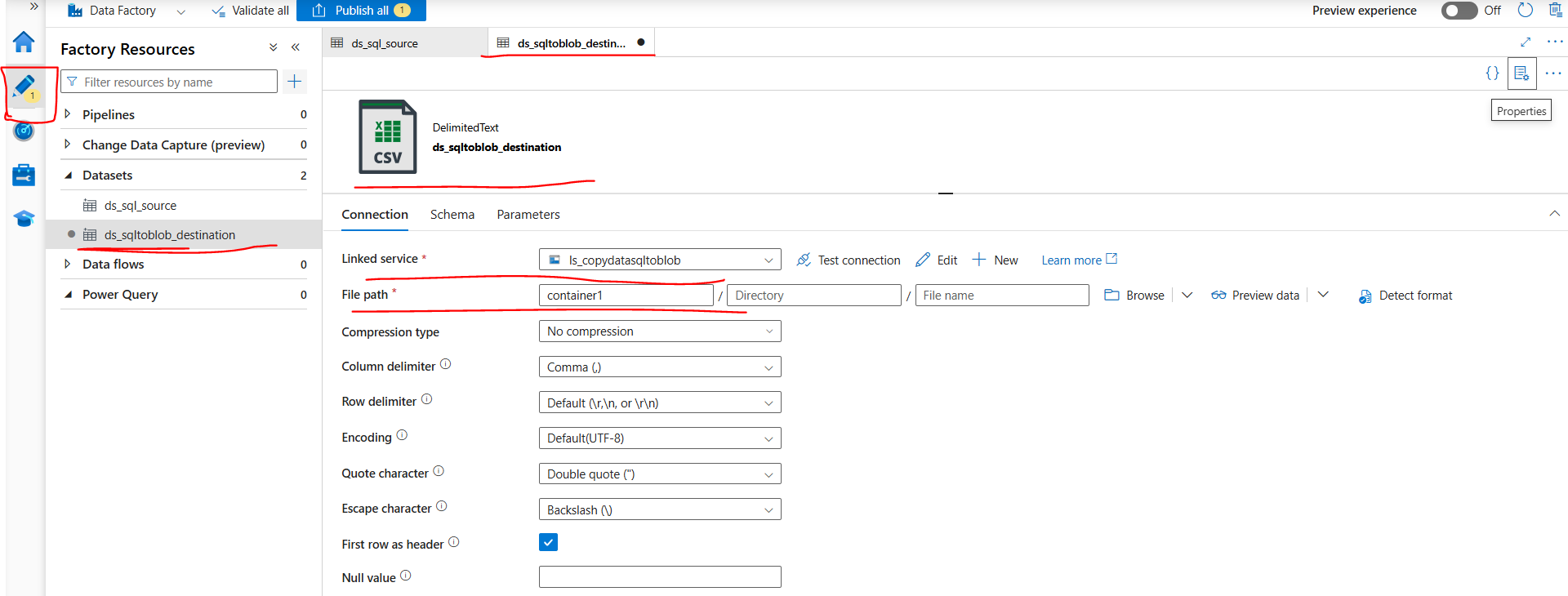
 



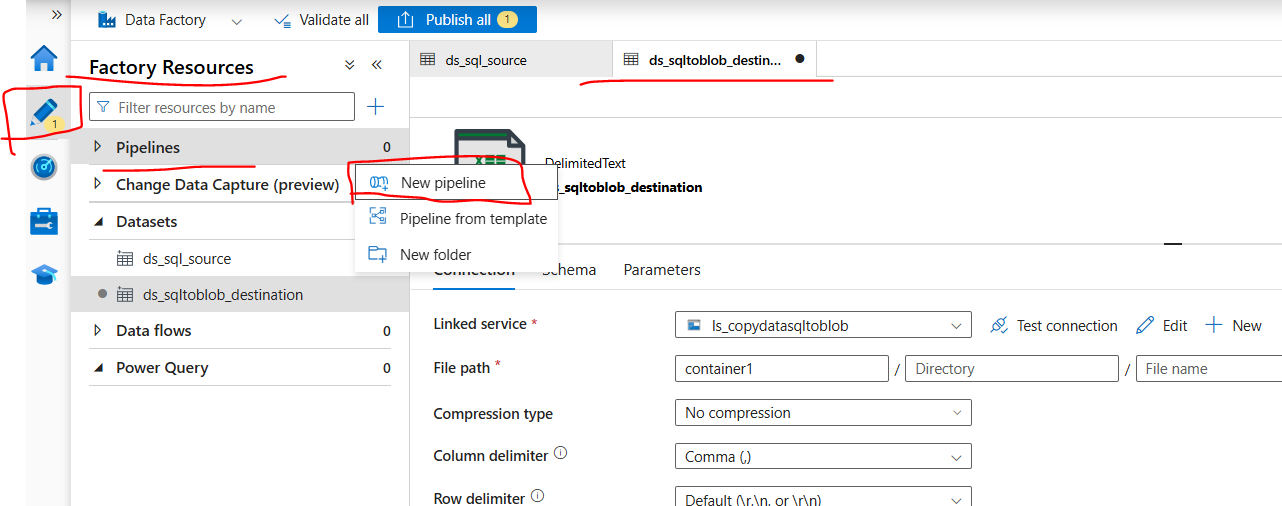


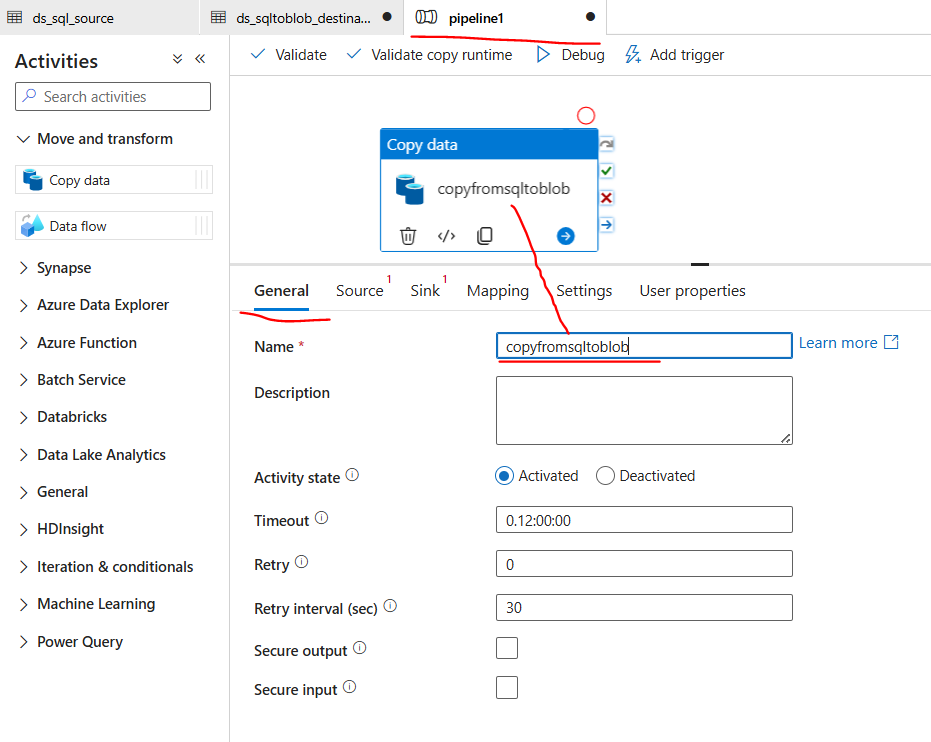
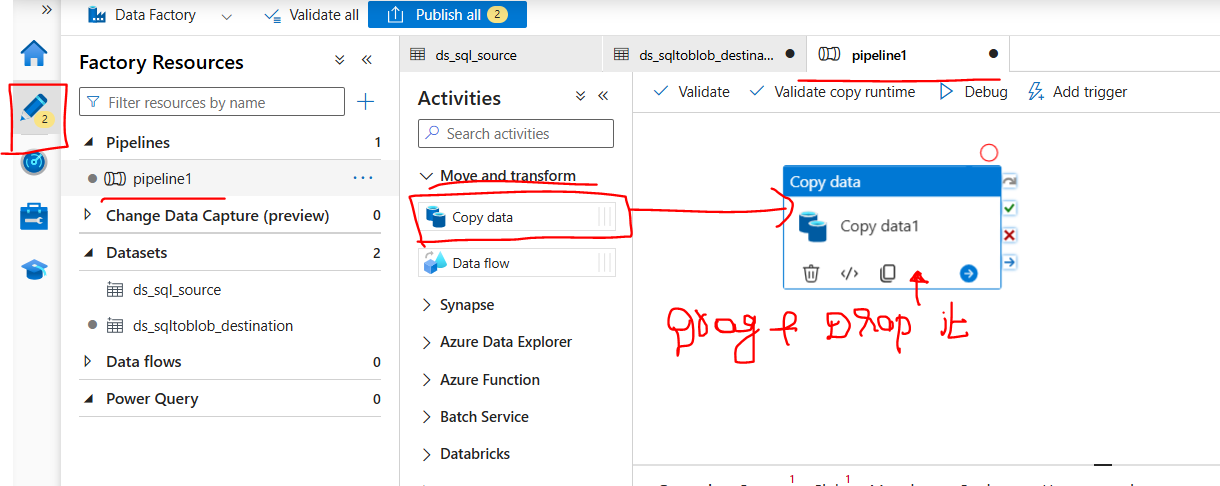


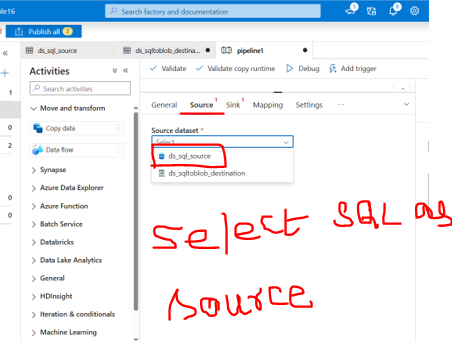


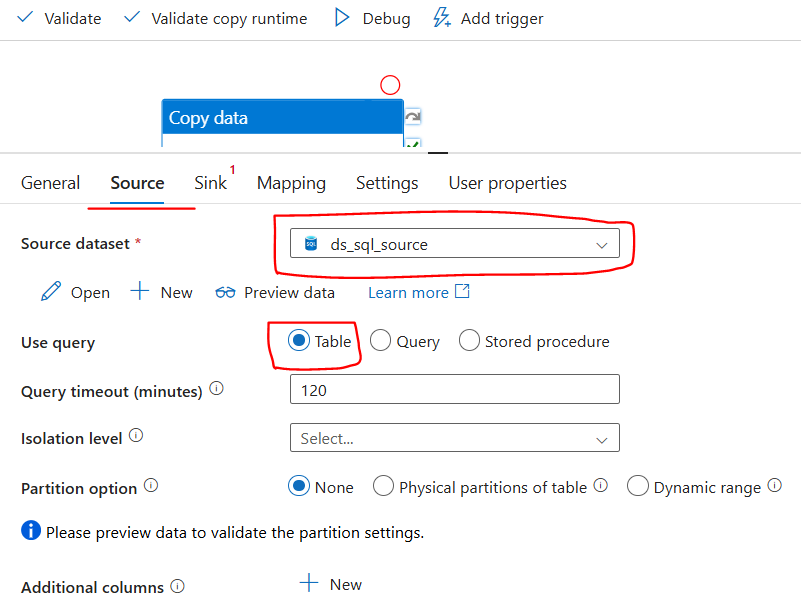


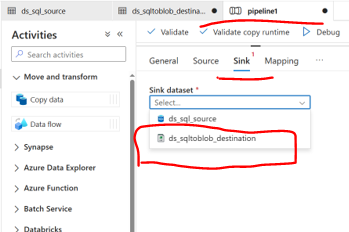
**Create a new pipeline after creating the Data Set:**

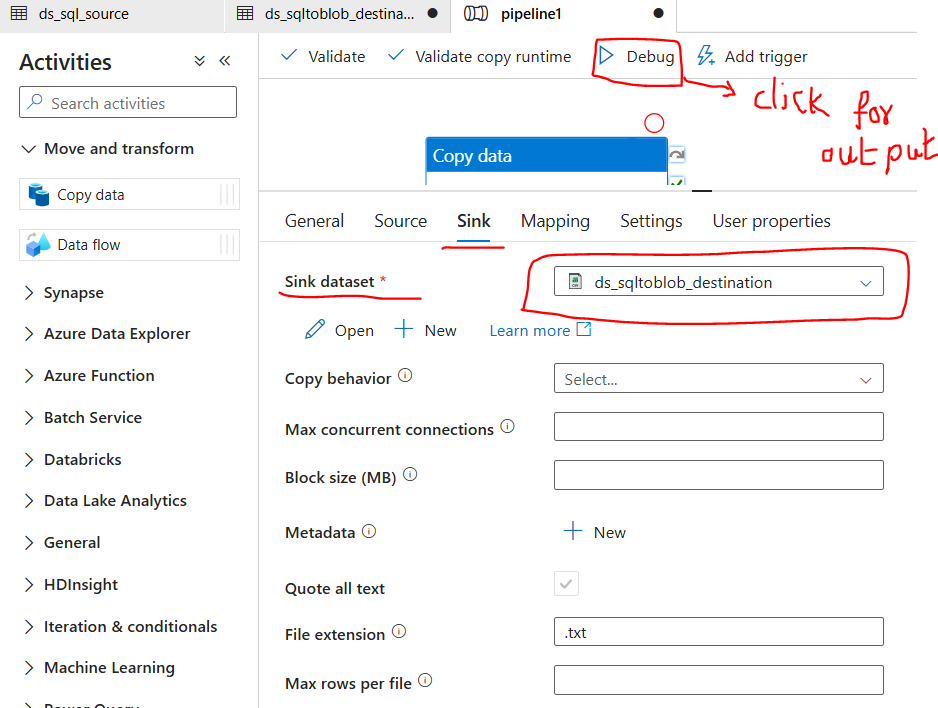


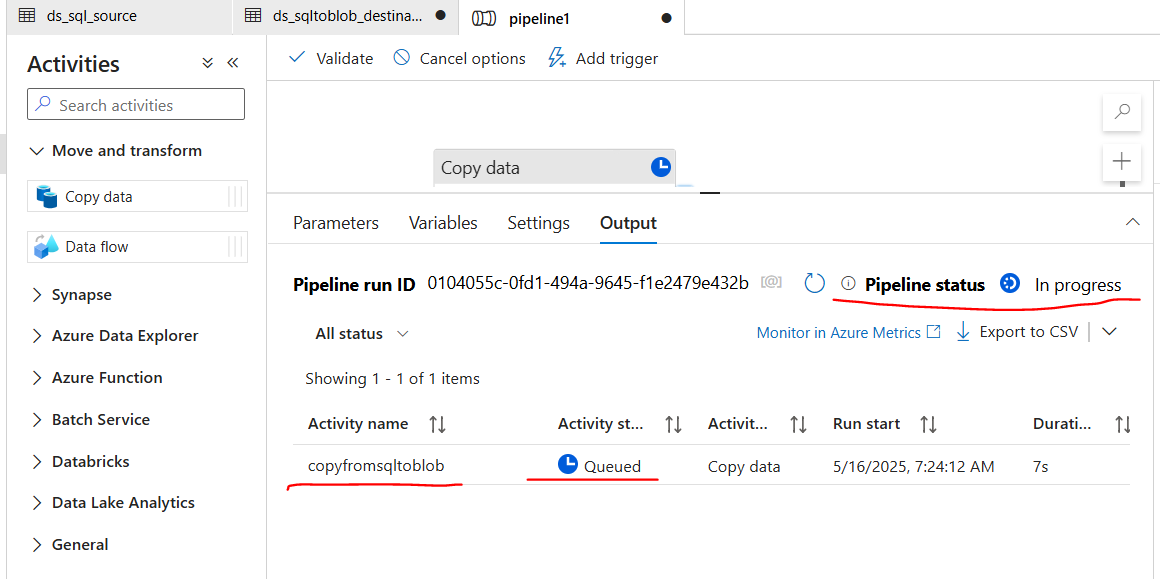


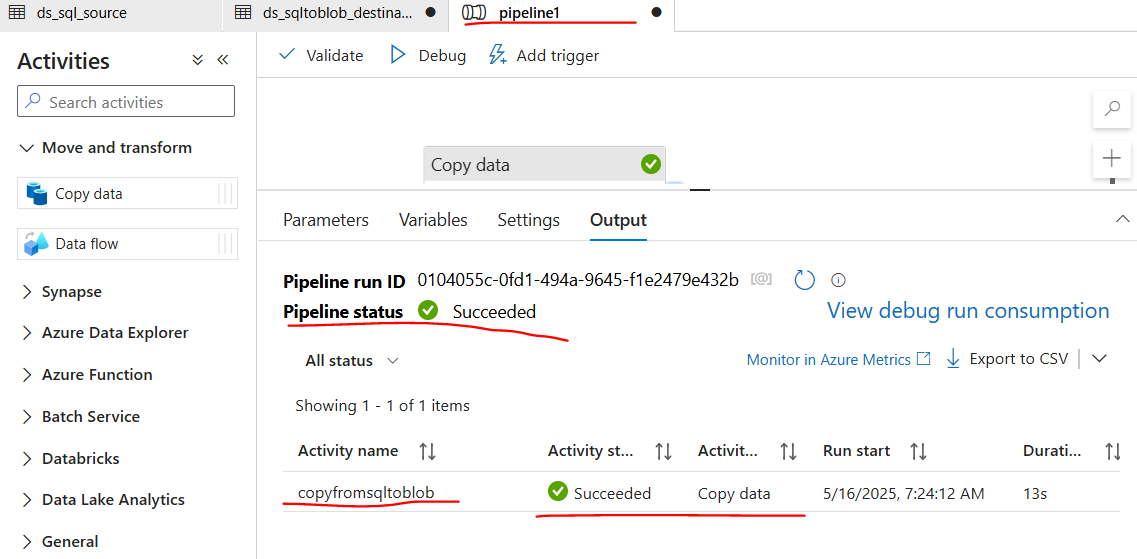




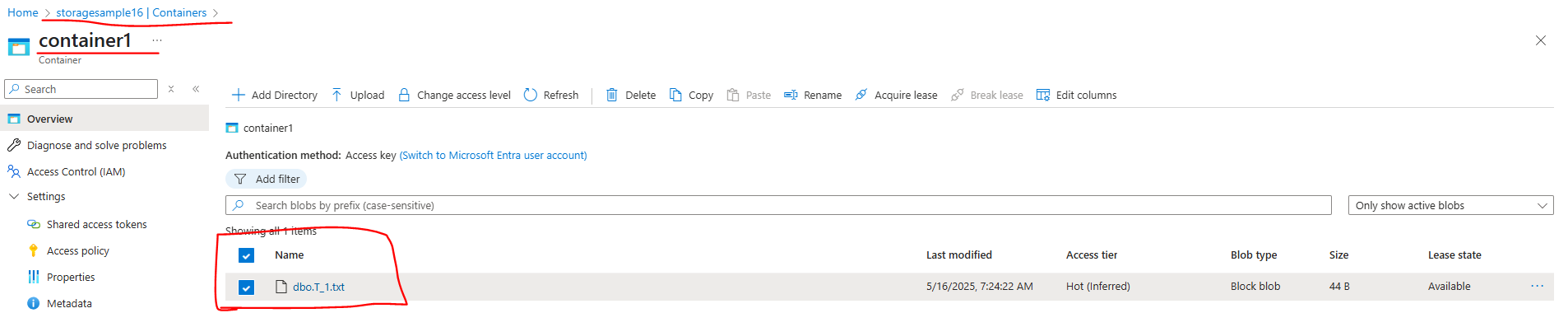


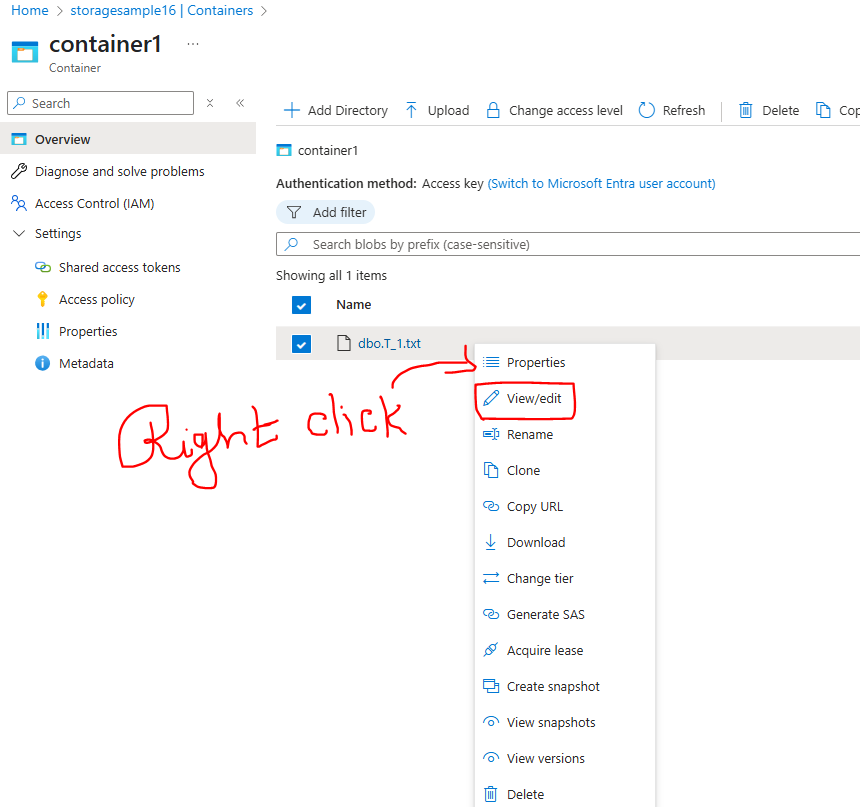


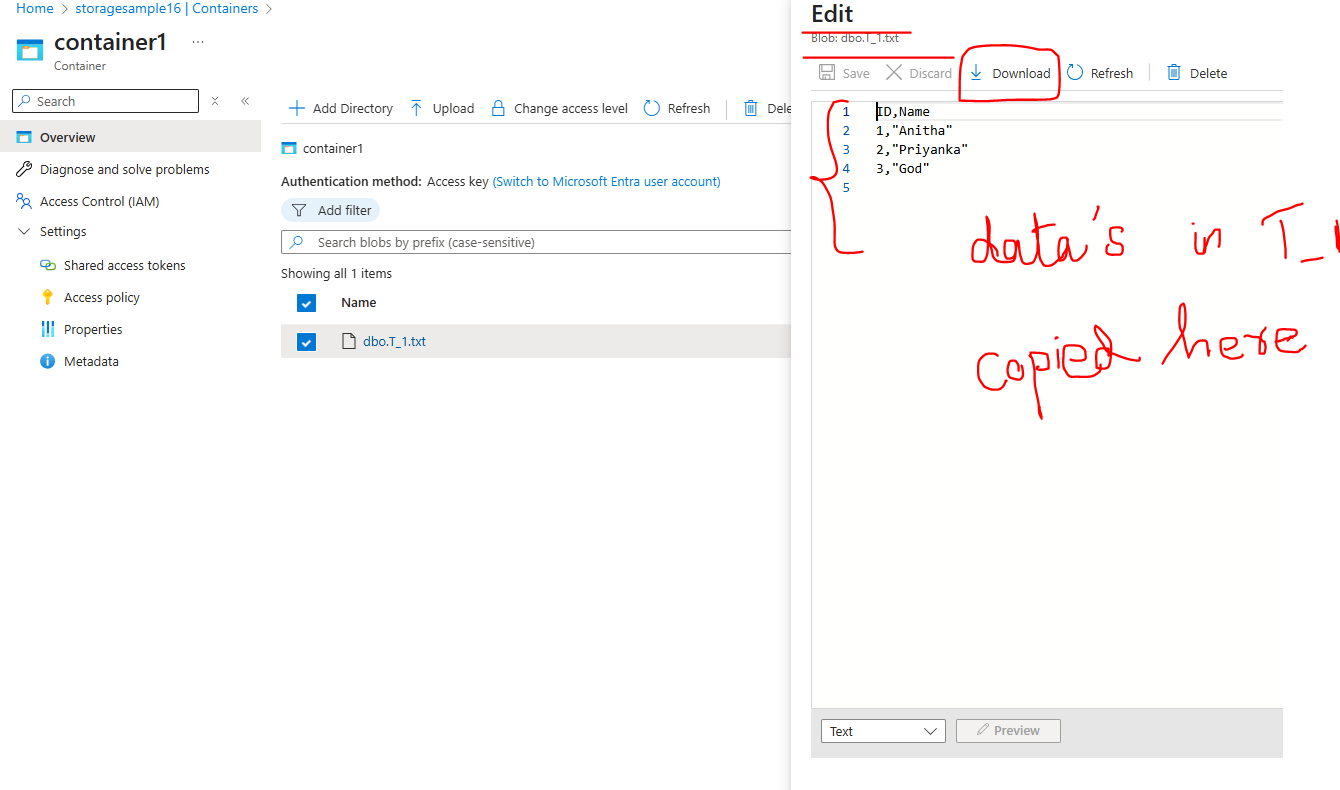




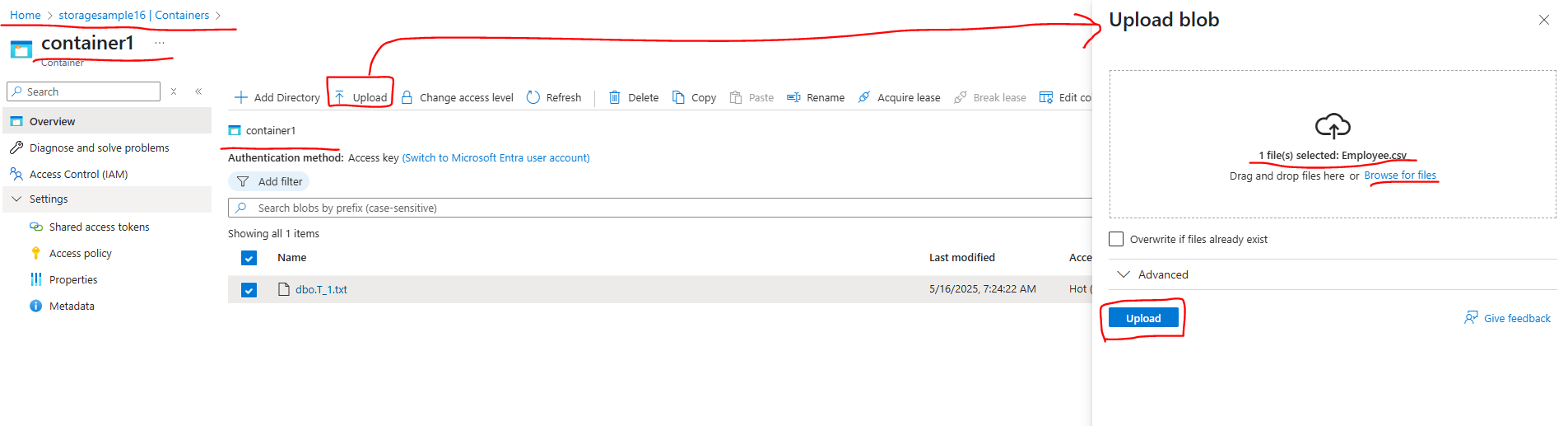
Now, go to the container and check for the CSV file.





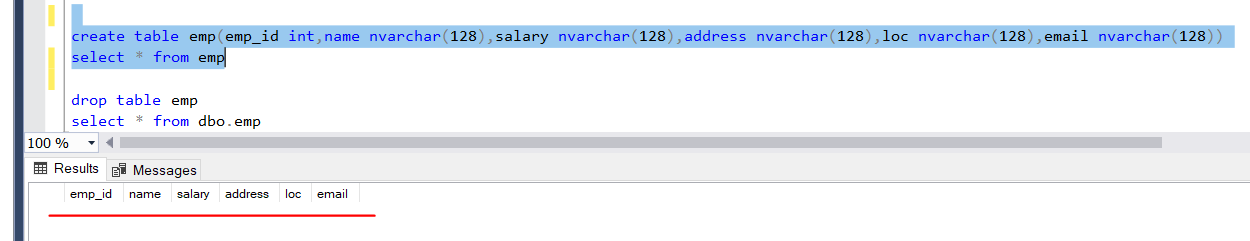


**Uploading the new file in the container and copying that data into the table employee using Copy Data.**

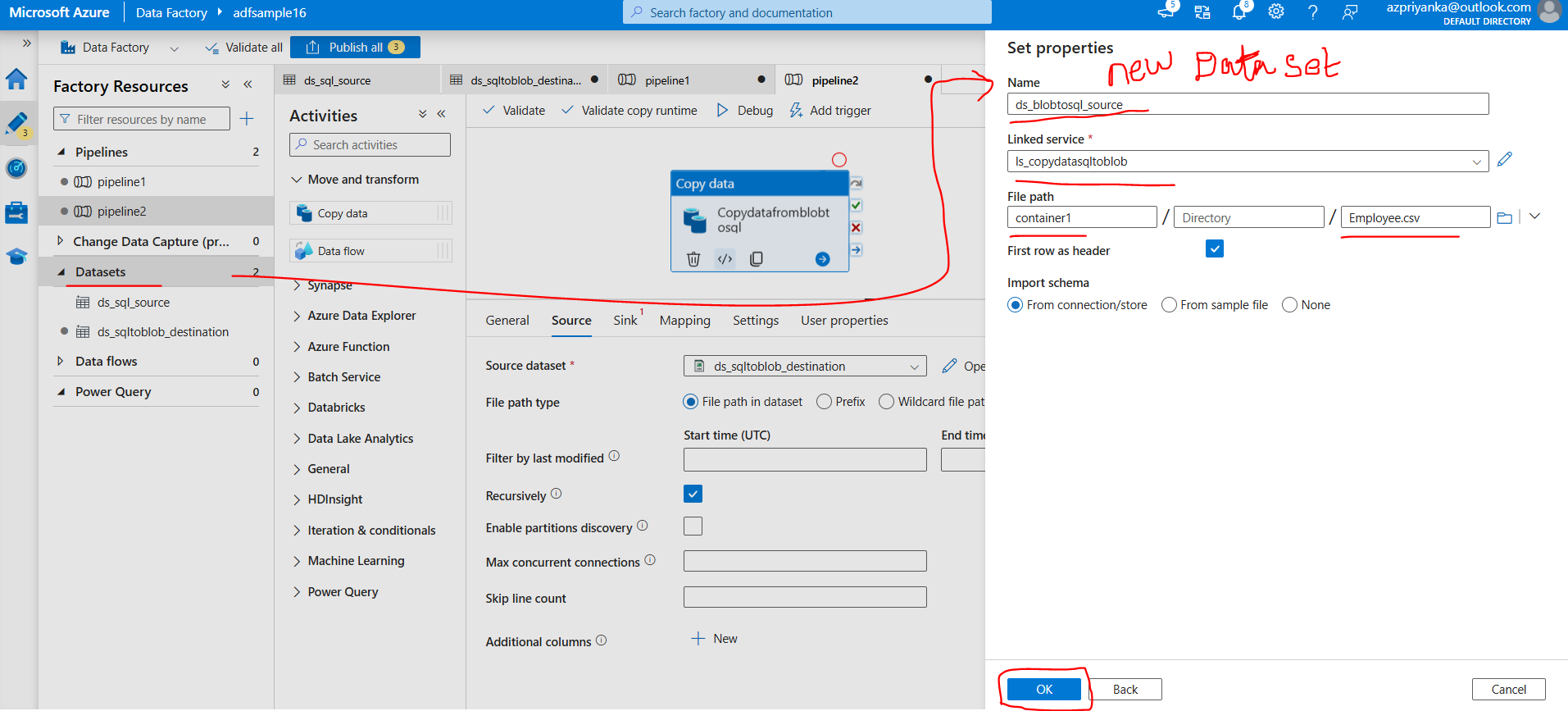


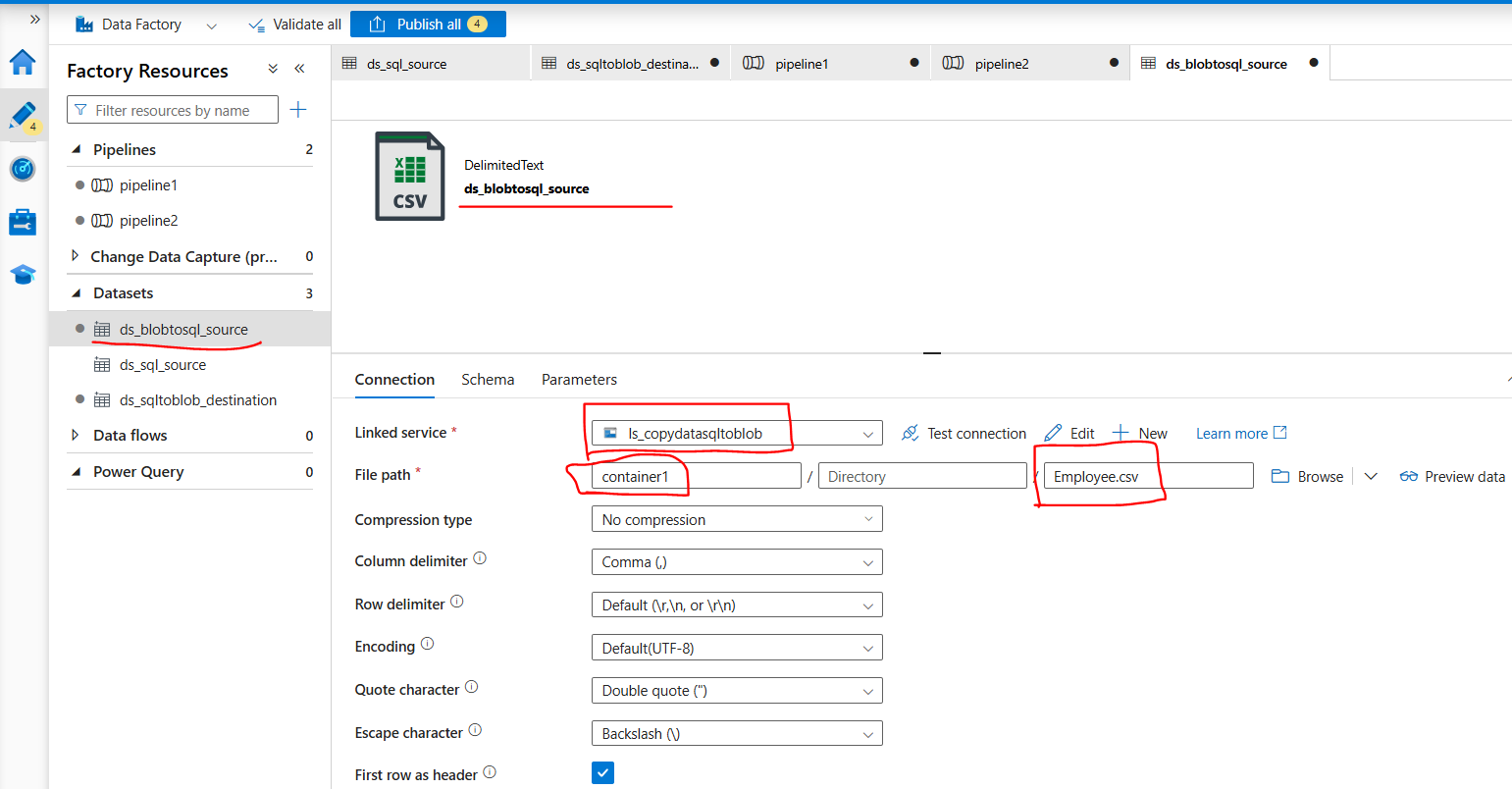


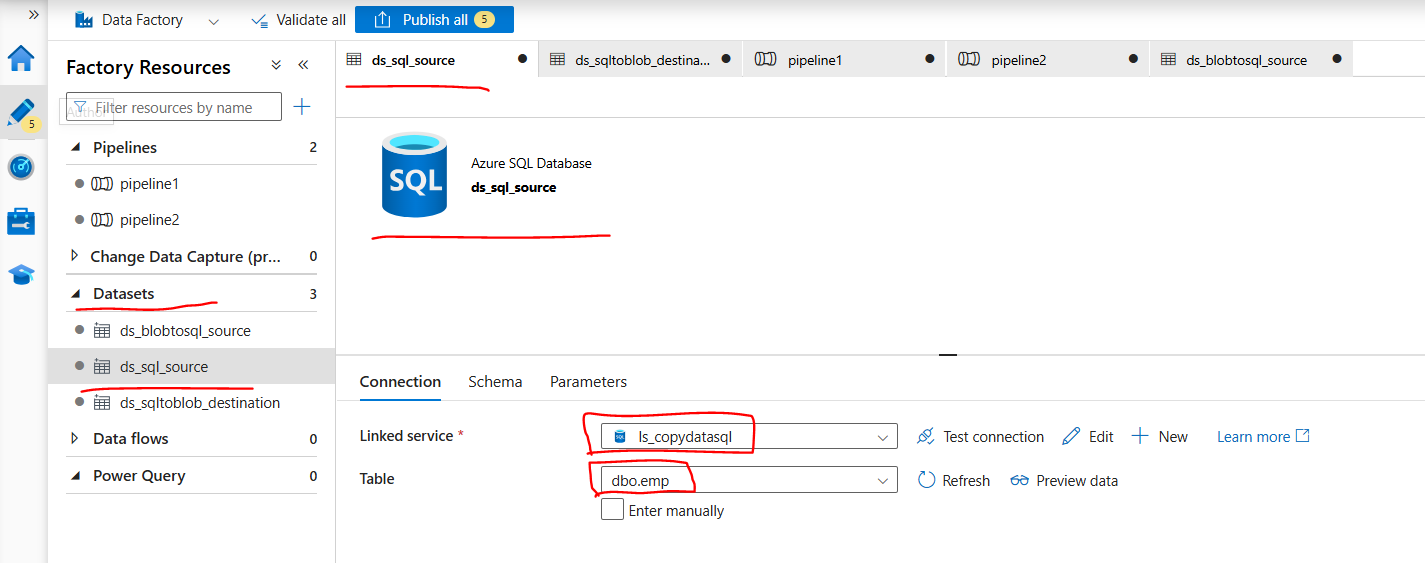
**Create the skeleton of the table to copy in SQL:**

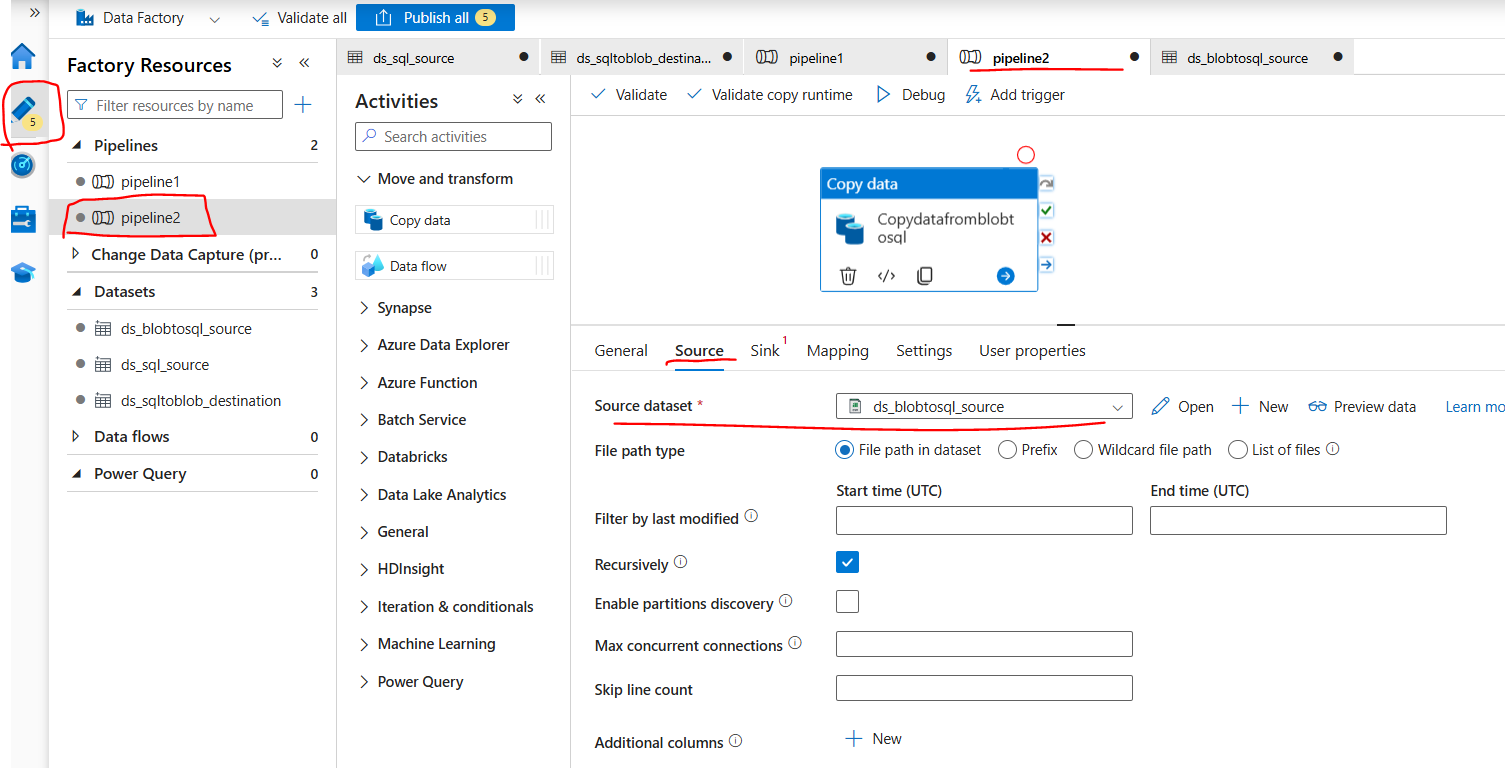


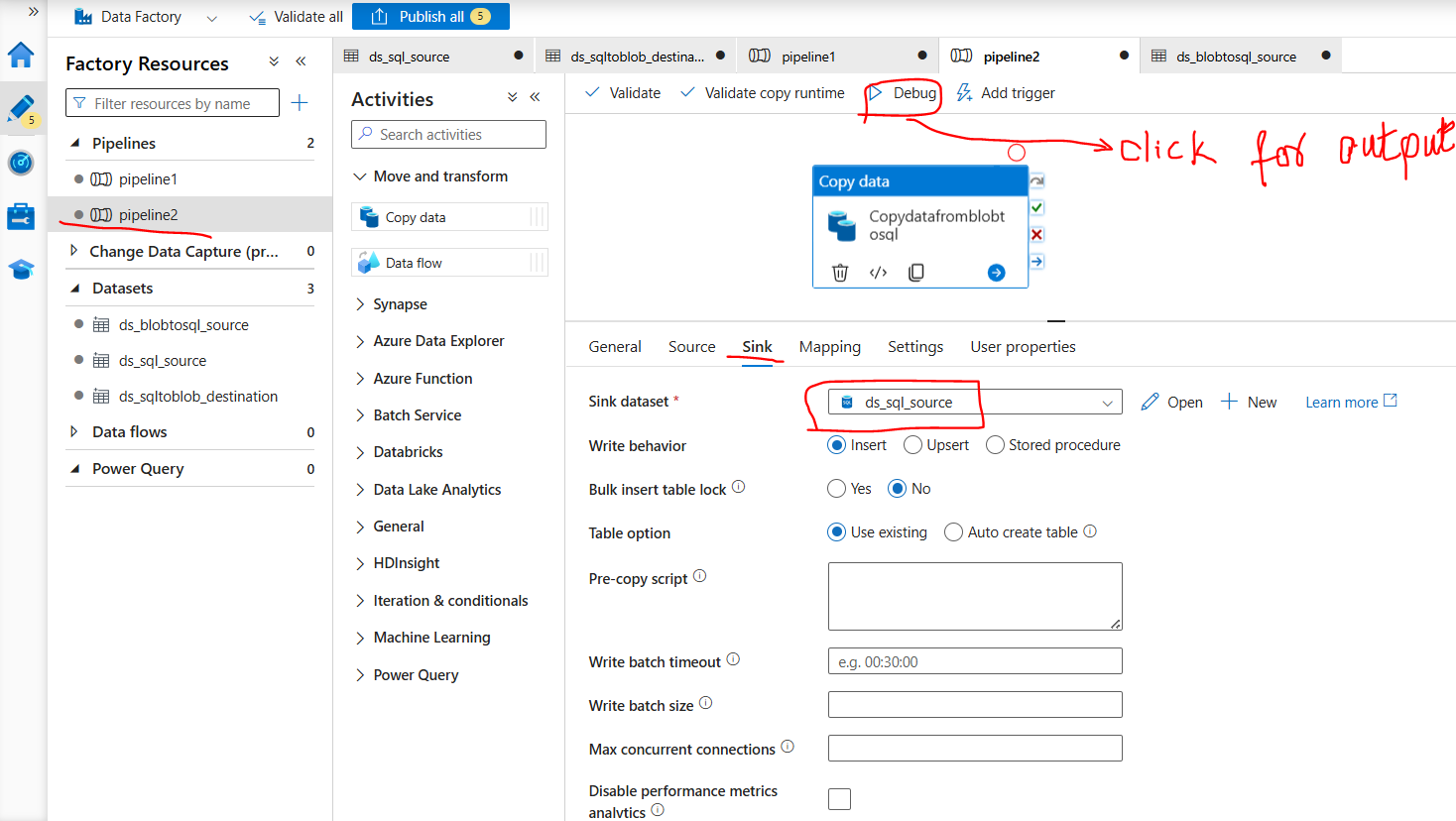
**Create the new Data Set:**

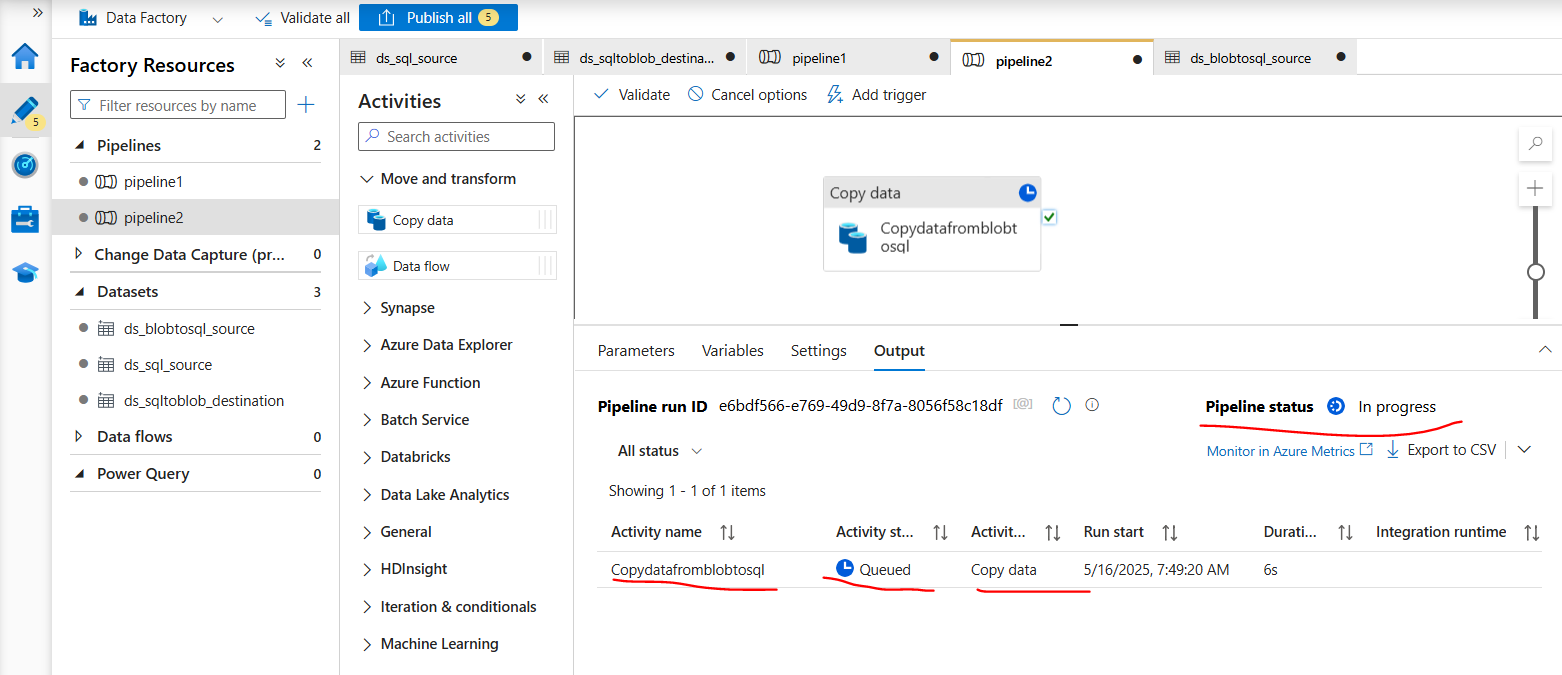


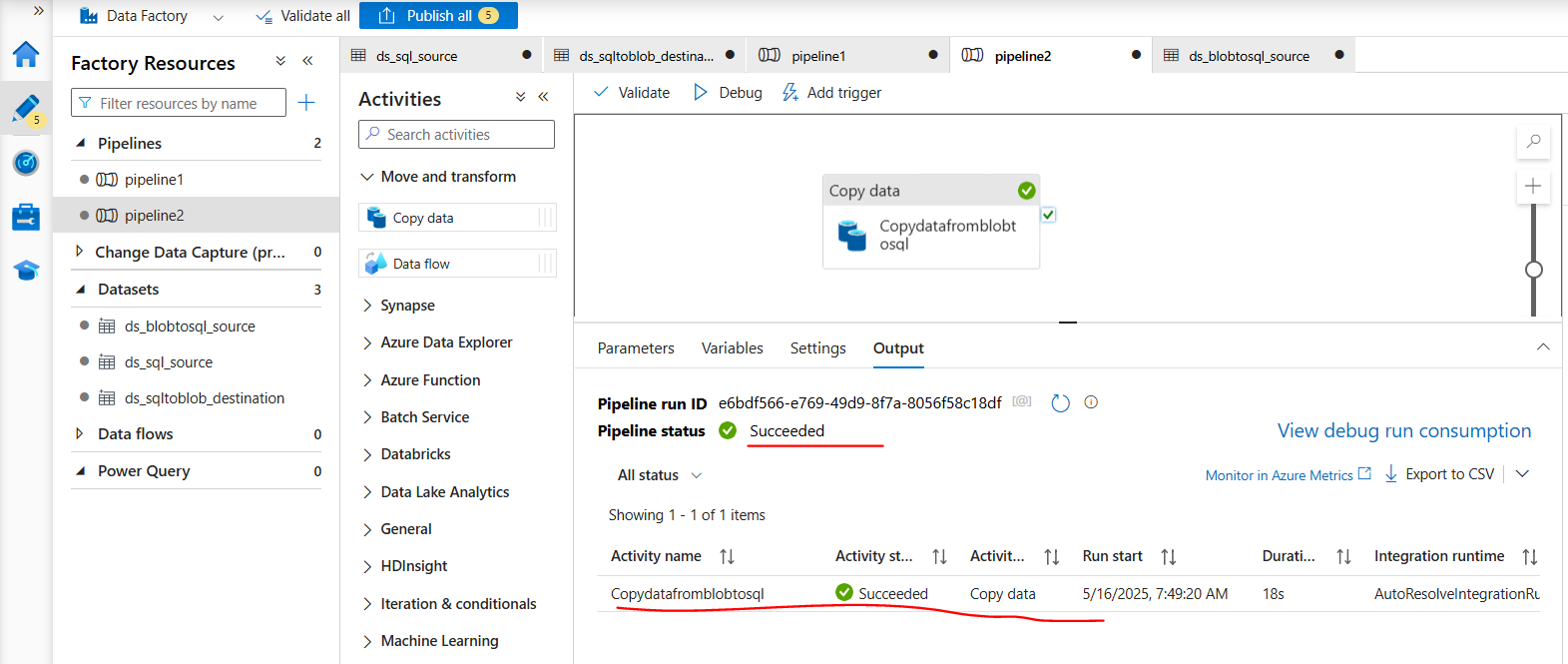




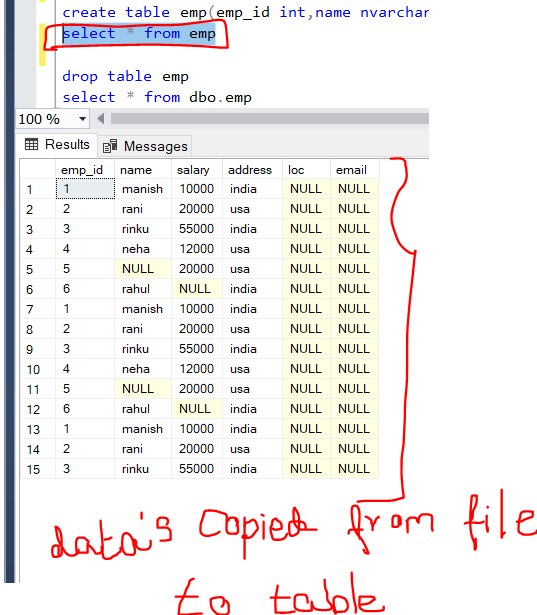








Now connect the SQL server and retrieve the data from the emp table.



**Creating the linked service in the dataset:**

