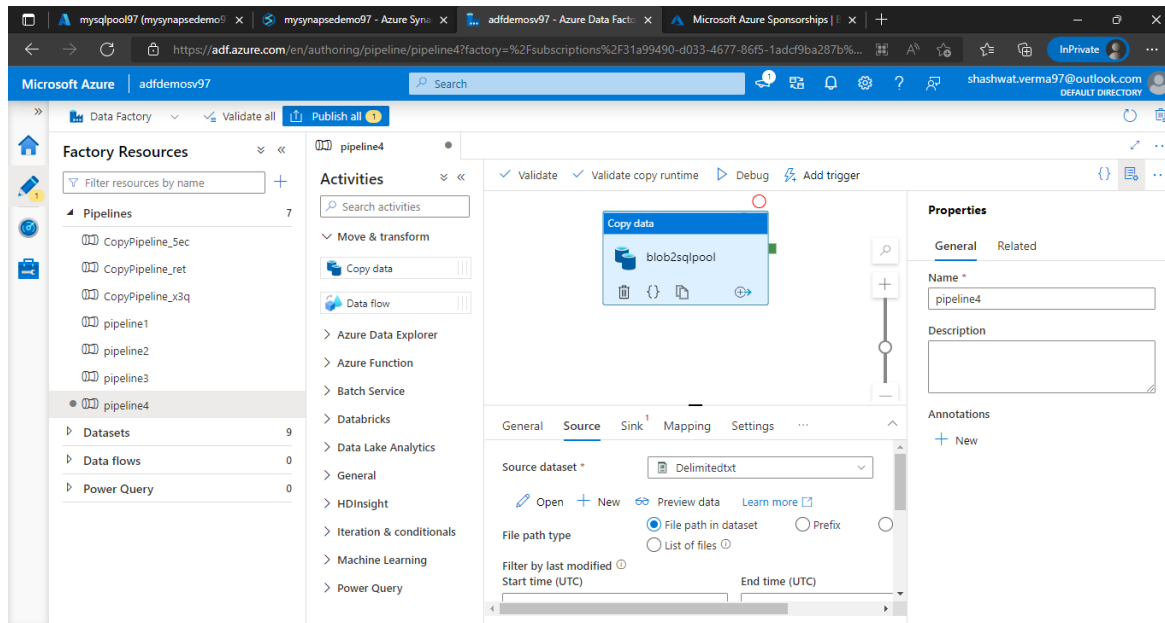


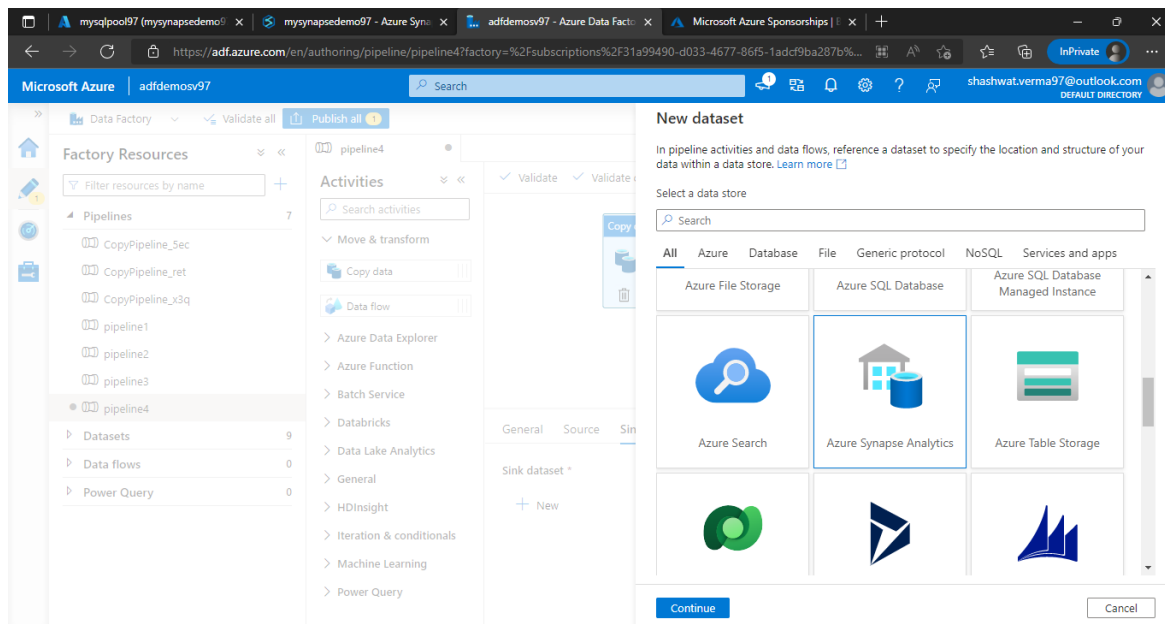
Assignment Labs Using Author Method

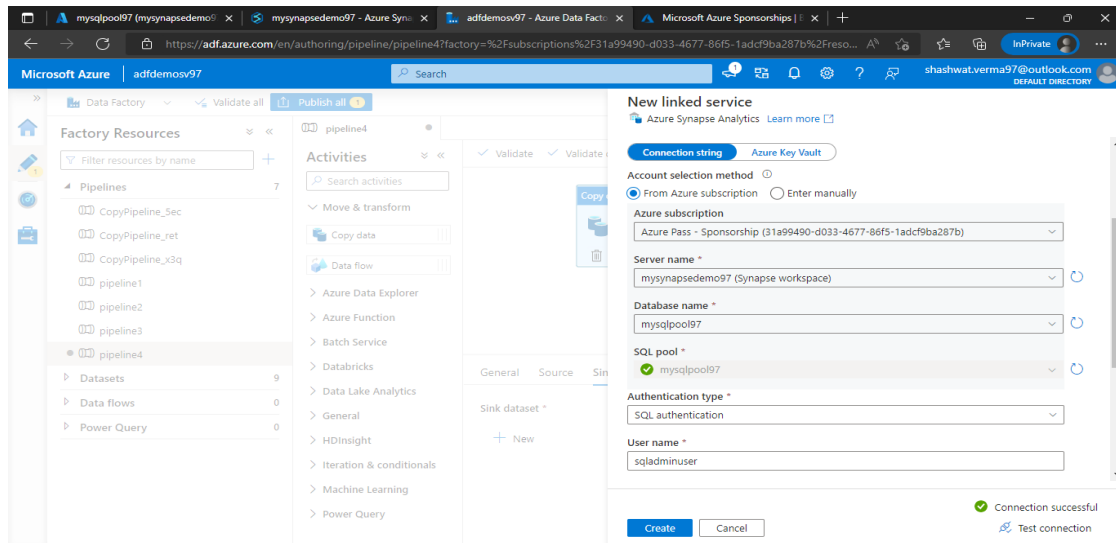
Lab 4: Transfer Data from Blob Storage to Azure Synapse SQLPool database

Source configuration:



Sink configuration:

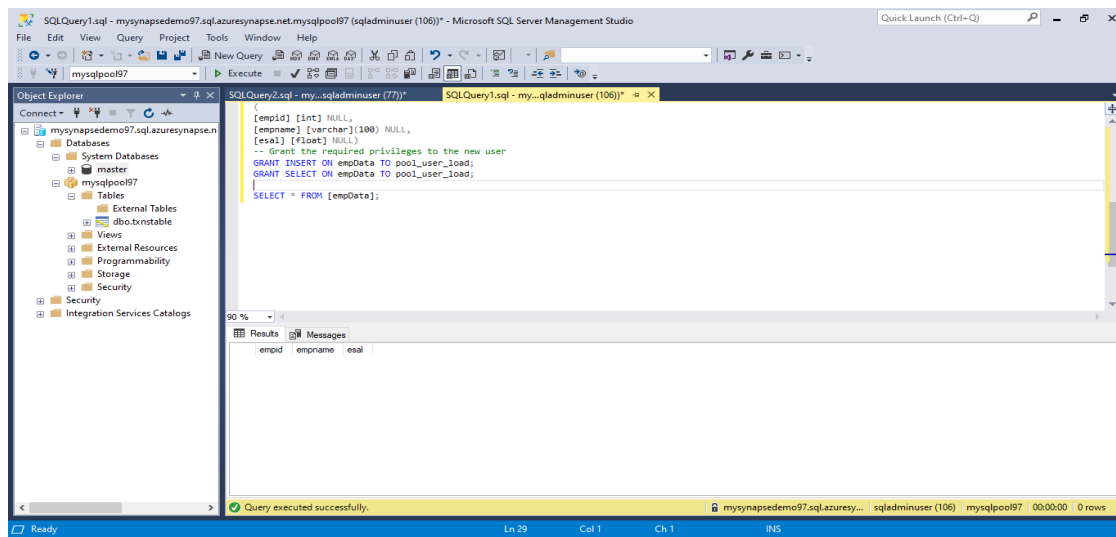


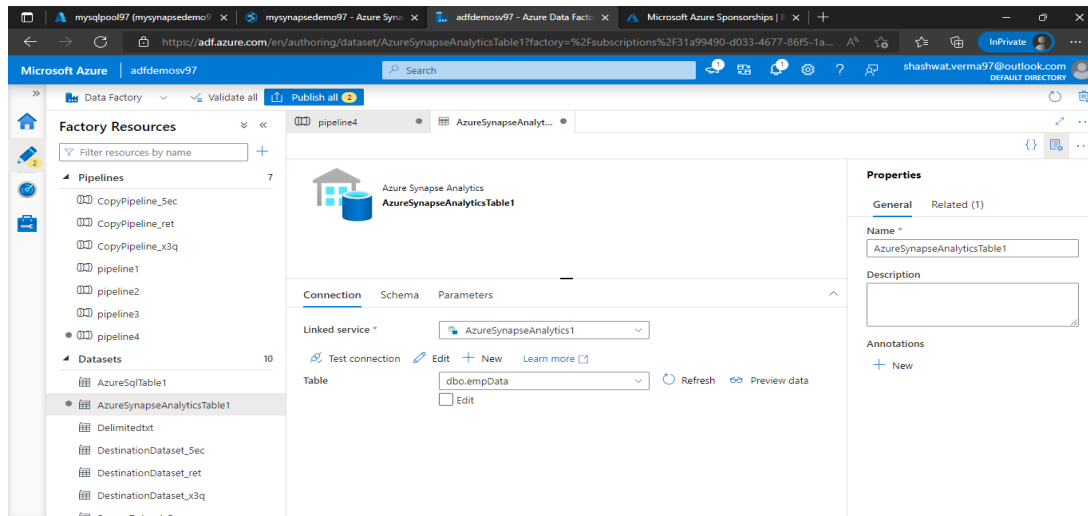


Creation of Table 'empData' in SQLPool to store delimited 'empData.txt' in it:

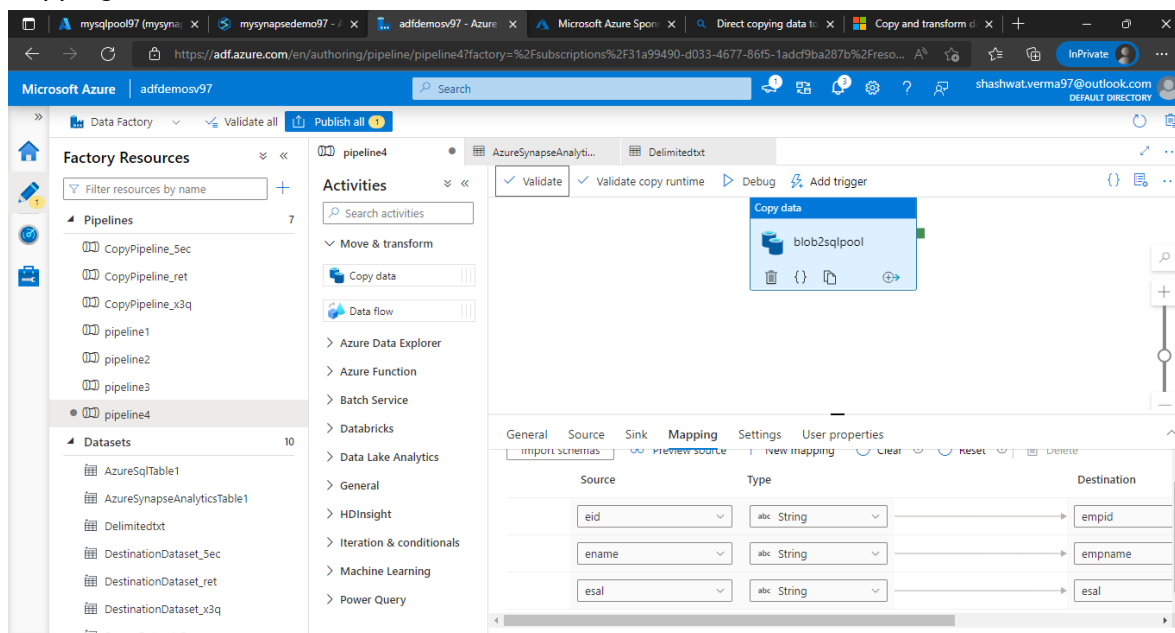
```
CREATE TABLE [empData]
(
    [empid] [int] NULL,
    [empname] [varchar](100) NULL,
    [esal] [bigint] NULL)

```

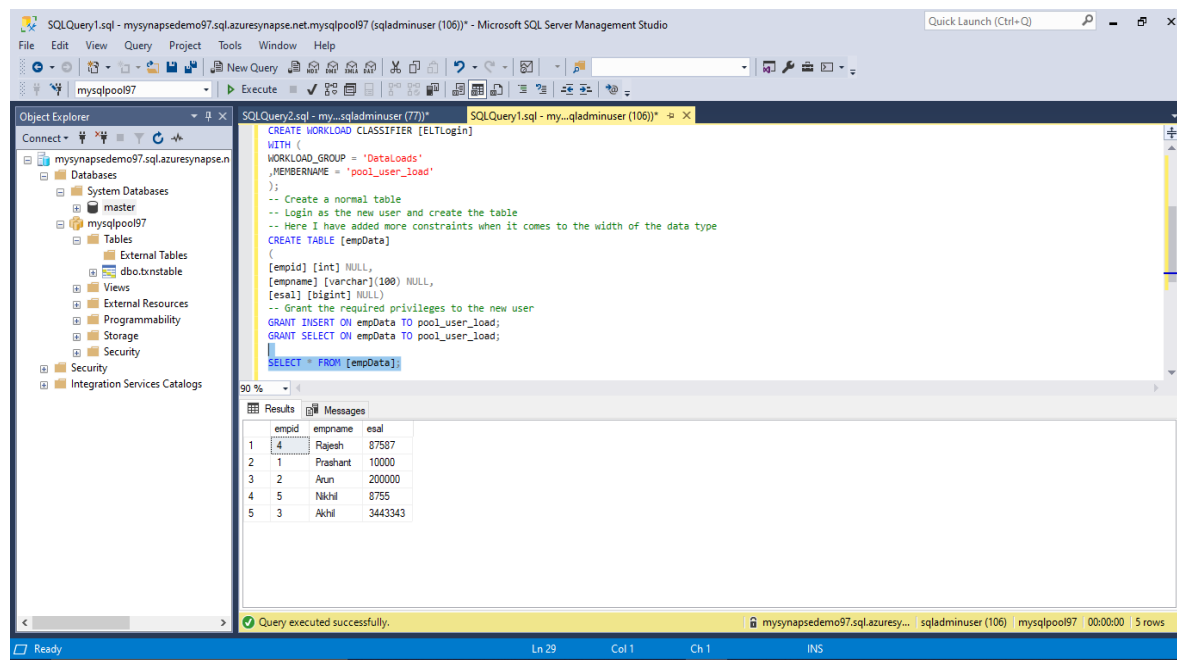




Mapping:



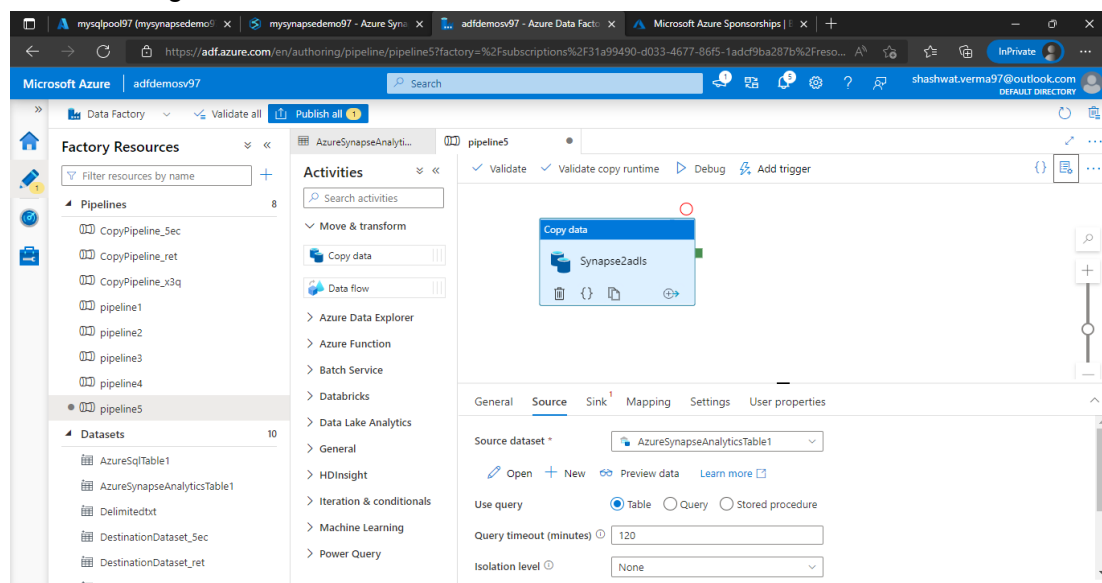
After hitting publish and then trigger now, check the table by running query: “select * from empData”:

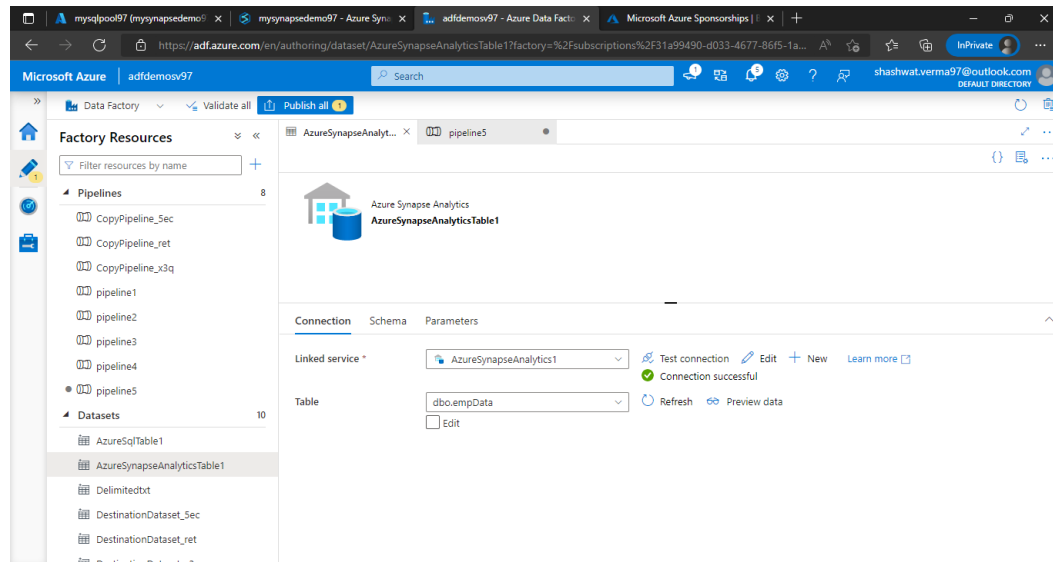


Hence, successfully transferred blobstorage data to Azure Synapse Analytics SQLPool database.

Lab 5: Transfer data from Synapse to ADLS in Parquet Format

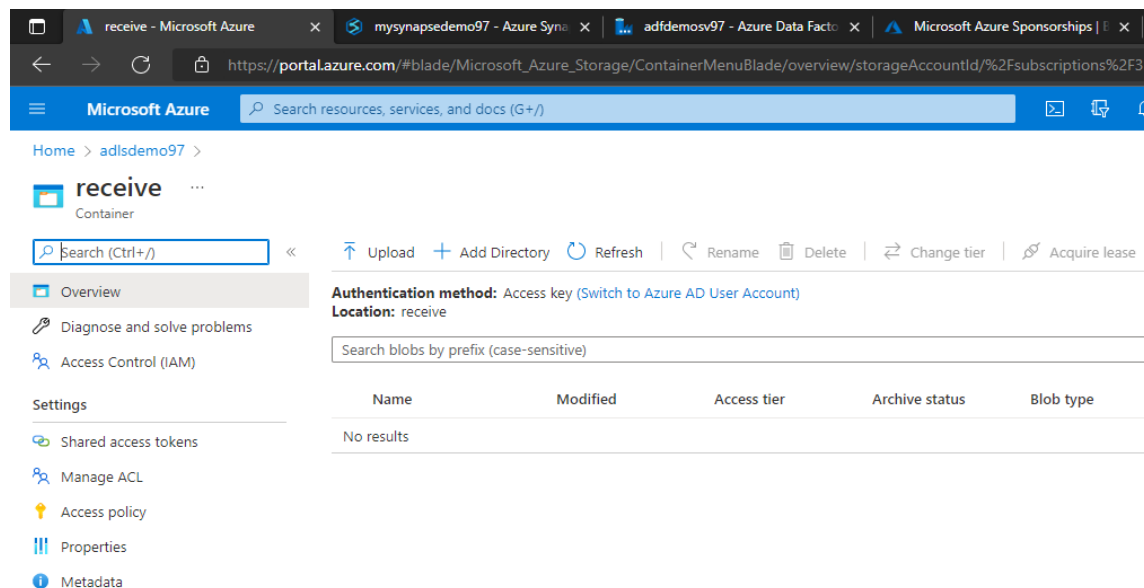
Source configuration:

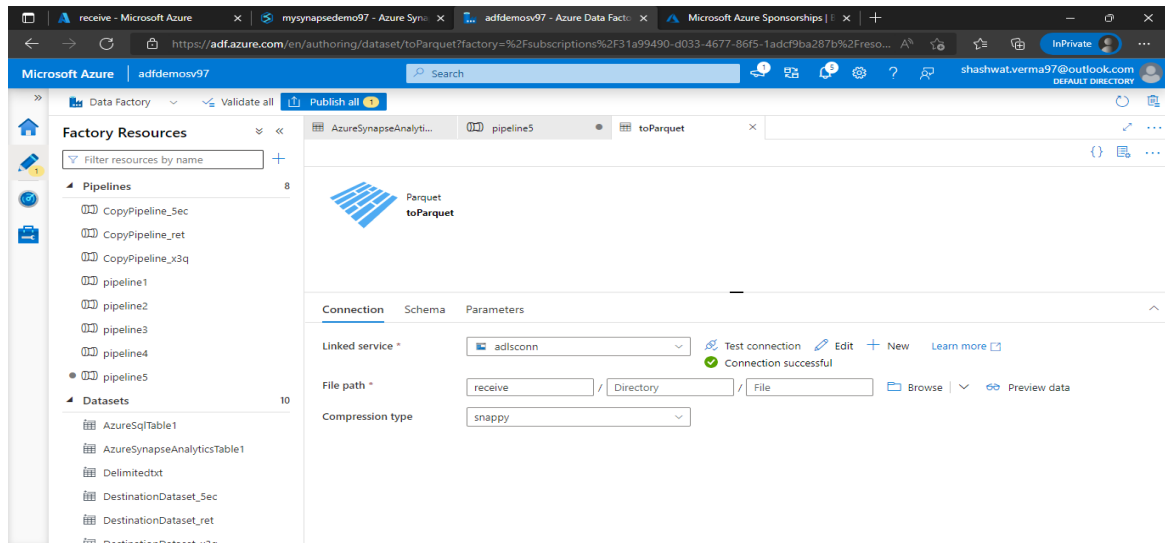




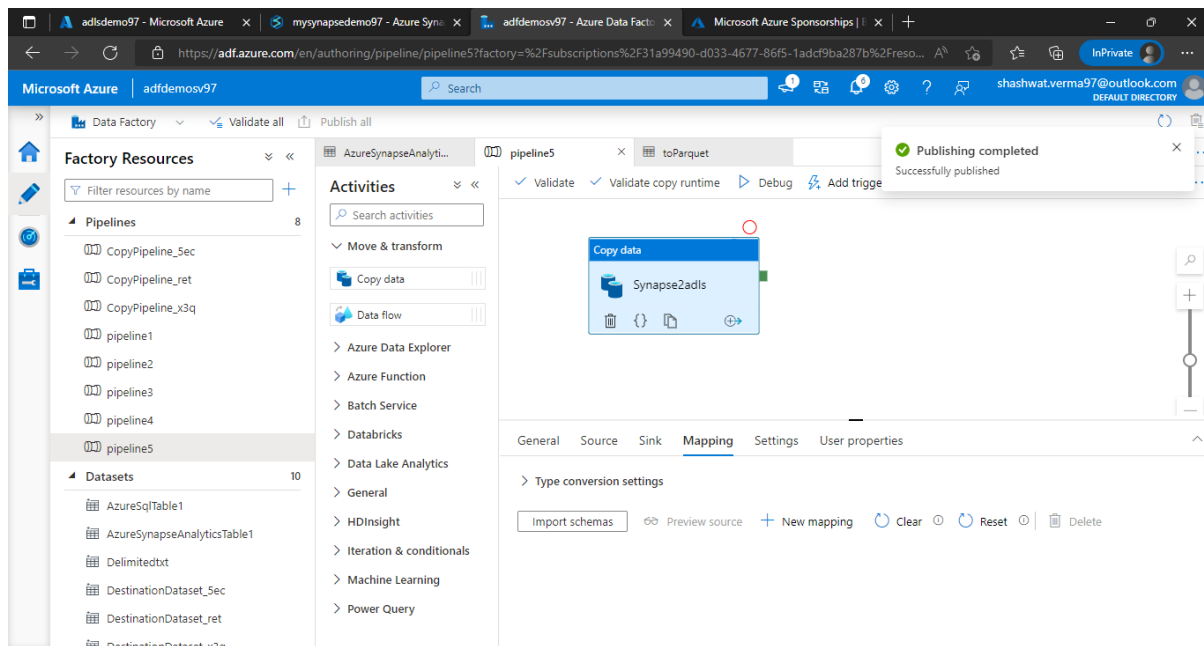
Sink configuration:

We have created a container named 'receive' in 'adlsdemo97' storage account to store a parquet file as a destination.





Hit publish and then trigger:



Data transferred successfully in parquet format in 'receive' container of 'adlsdemo97' storage account.

The screenshot shows the Microsoft Azure portal interface. The browser tabs at the top include 'receive - Microsoft Azure', 'mysynapsedemo97 - Azure Syn...', 'adfdemosv97 - Azure Data Fact...', and 'Microsoft Azure Sponsorships'. The address bar shows the URL: https://portal.azure.com/#blade/Microsoft_Azure_Storage/ContainerMenuBlade/overview/storageAccountId/%2Fsubscriptions%2F31a9.... The page title is 'Microsoft Azure' with a search bar. The breadcrumb navigation is 'Home > Storage accounts > adlsdemo97 >'. The main content area is titled 'receive' and 'Container'. It includes a search bar with the placeholder 'Search (Ctrl+/)' and a list of actions: Upload, Add Directory, Refresh, Rename, Delete, Change tier, Acquire lease, and Break lease. The left sidebar shows the 'Overview' tab selected, along with 'Diagnose and solve problems', 'Access Control (IAM)', 'Settings', 'Shared access tokens', 'Manage ACL', 'Access policy', 'Properties', and 'Metadata'. The main content area displays the 'Authentication method' as 'Access key' and the 'Location' as 'receive'. Below this is a search bar for blobs and a table of blobs. The table has columns for Name, Modified, Access tier, Archive status, Blob type, Size, and Lease state. A single row is visible with the file 'dbo.empData.parquet'.

| Name | Modified | Access tier | Archive status | Blob type | Size | Lease state |
|---------------------|-----------------------|----------------|----------------|------------|-------|-------------|
| dbo.empData.parquet | 5/6/2022, 10:18:55 PM | Hot (Inferred) | | Block blob | 614 B | Available |