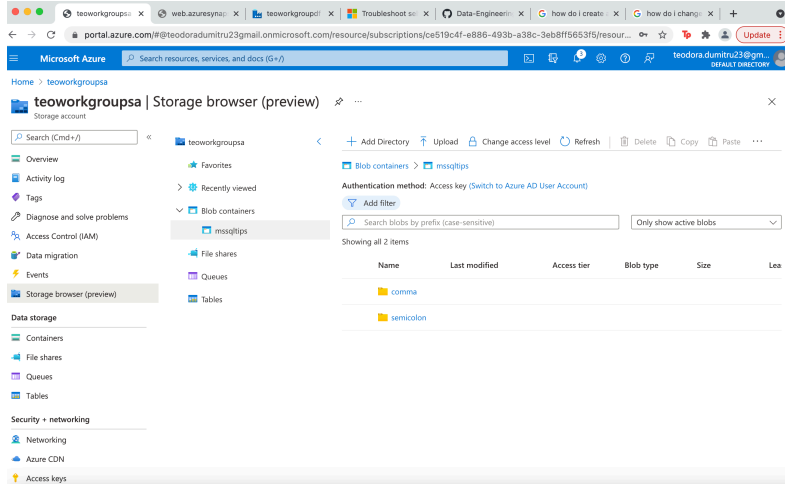
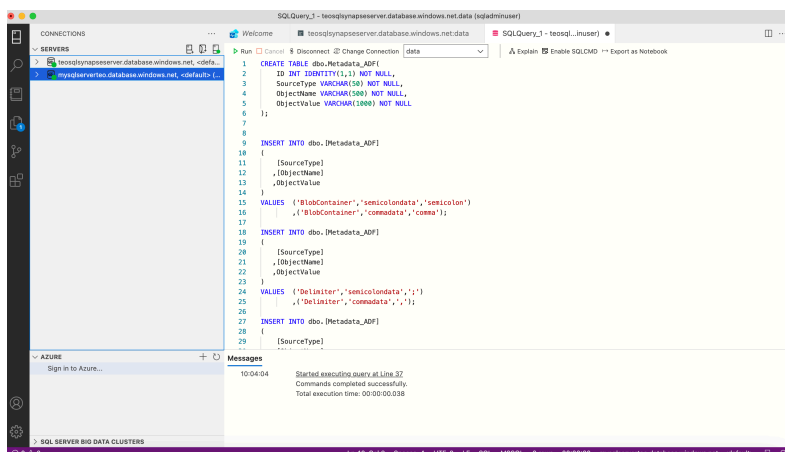


## Problem 4

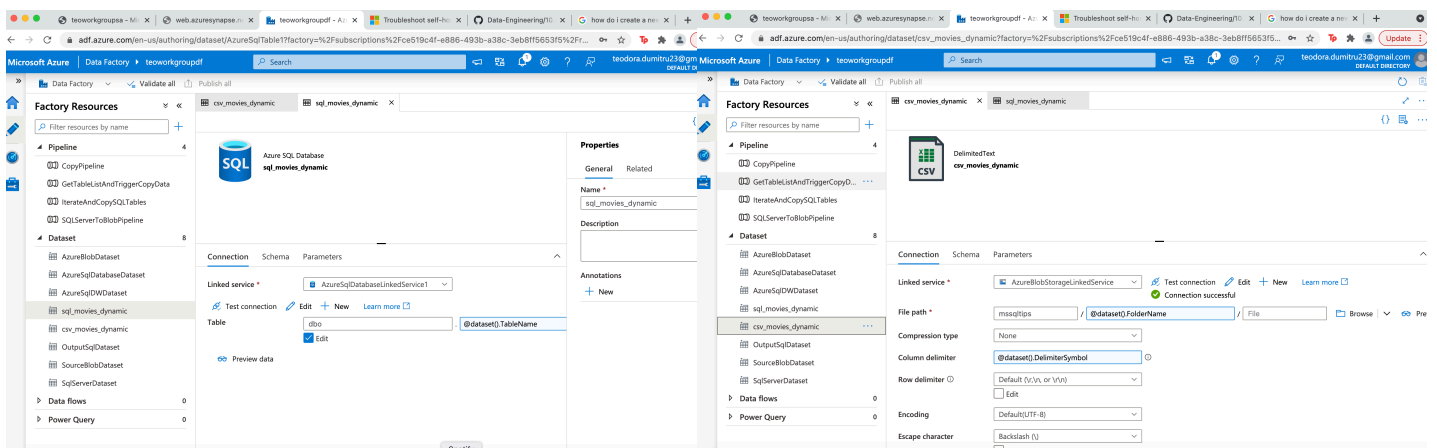
For problem four we had to Load multiple files in Parallel in Azure Data Factory. First we had to download some example files and add them to our storage account in two separate folders.



Then we created the metadata in azure data studio



And then, the databases in Azure Data Factory



In the end, we created our pipeline, and debug it

The screenshot shows the Microsoft Azure Data Factory portal. On the left, the 'Factory Resources' pane lists various resources. The main area displays a pipeline named 'sql\_movies\_dynamic' in the 'Debug' state. The pipeline diagram shows a 'Lookup' activity (Retrieve Metadata) followed by a 'ForEach' activity (Loop Over Metadata). The 'Output' tab shows a list of successful runs for 'Copy Blob to SQL' and 'Loop Over Metadata'.

Activity	Copy data	Start time	End time	Duration	Status	Integration Runtime
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.617	00:00:38	00:00:38	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.586	00:00:07	00:00:07	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.570	00:00:07	00:00:07	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.555	00:00:07	00:00:07	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.555	00:00:06	00:00:06	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.555	00:00:09	00:00:09	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.508	00:00:06	00:00:06	Succeeded	DefaultIntegrationRuntime (W)
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.461	00:00:07	00:00:07	Succeeded	DefaultIntegrationRuntime (W)
Loop Over Metadata	ForEach	2021-10-14T10:41:57.289	00:00:43	00:00:43	Succeeded	DefaultIntegrationRuntime (W)
Retrieve Metadata	Lookup	2021-10-14T10:41:42.966	00:00:13	00:00:13	Succeeded	DefaultIntegrationRuntime (W)

Details :

The screenshot shows the 'Details' view for a copy activity. The activity is 'Copy Blob to SQL' and it has succeeded. The details show data read/written, files read/written, rows read/written, and peak connections.

Activity	Copy data	Start time	End time	Duration	Status	Integration Runtime
Copy Blob to SQL	Copy data	2021-10-14T10:41:58.617	00:00:38	00:00:38	Succeeded	DefaultIntegrationRuntime (W)

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Copy Blob to SQL	Copy data	2021-10-14T10:41:58.617	00:00:38	00:00:38	Succeeded	DefaultIntegrationRuntime (W)