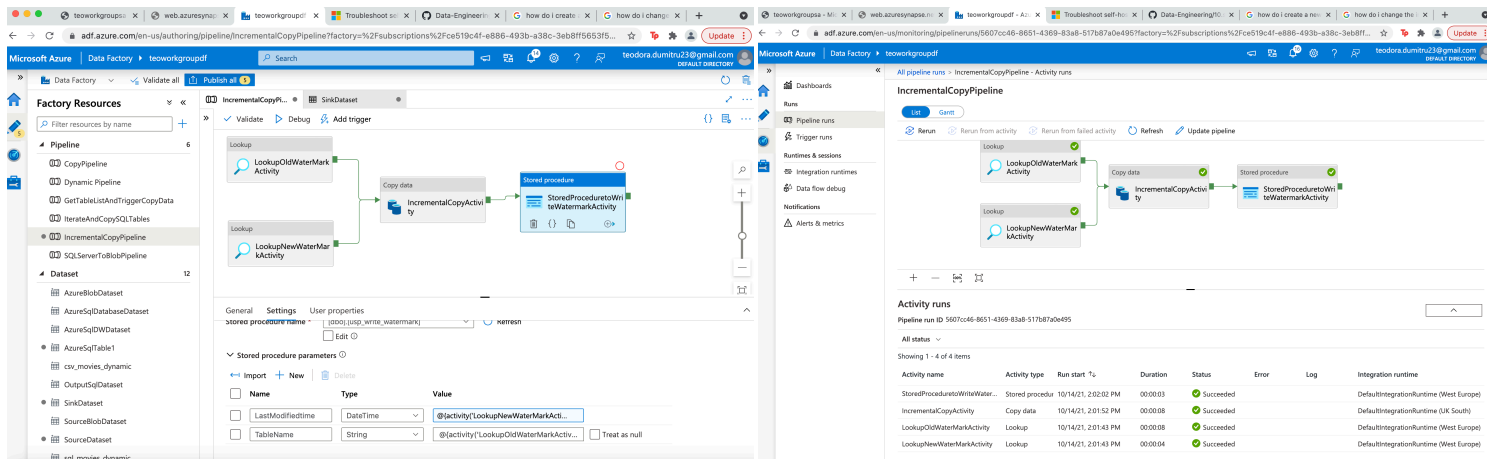


Problem 5

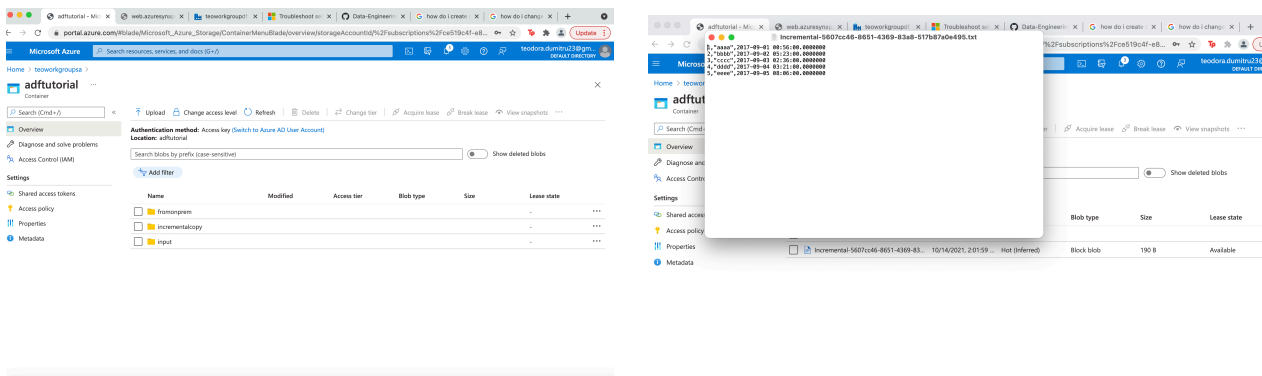
For Problem 5 we had to Incrementally load data from Azure SQL Database to Azure Blob storage using the Azure portal.

To start with, we created a table named data_source_table as the data source store, and a table named watermarktable to store the watermark value.

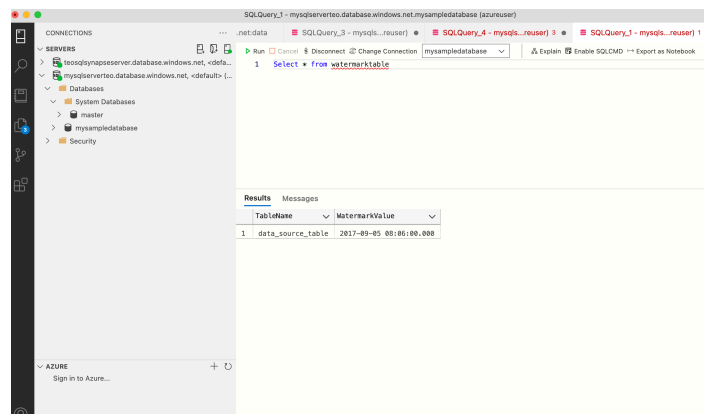
Then we created our pipeline and ran it



After that, we verify that an output file is created in the incrementalcopy folder of the adftutorial container, and verify the data is copied



We also check the latest value from watermark table



Then we add new data to the source and trigger the pipeline again

```
4 INSERT INTO data_source_table
5 VALUES (6, 'newdata', '9/6/2017 2:23:00 AM')
6
7 INSERT INTO data_source_table
8 VALUES (7, 'newdata', '9/7/2017 9:01:00 AM')
9 SELECT * FROM data_source_table
```

Results			
	PersonID	Name	LastModifytime
1	1	aaaa	2017-09-01 00:56:00.000
2	2	bbbb	2017-09-02 05:23:00.000
3	3	cccc	2017-09-03 02:36:00.000
4	4	dddd	2017-09-04 03:21:00.000
5	5	eeee	2017-09-05 08:06:00.000
6	6	newdata	2017-09-06 02:23:00.000
7	7	newdata	2017-09-07 09:01:00.000

Activity name	Activity type	Run start	Duration	Status	Error	Log	Integration runtime
Stored procedure	Stored procedure	10/14/21, 2:10:56 PM	00:00:03	Succeeded			DefaultIntegrationRur
IncrementalCopyActivity	Copy data	10/14/21, 2:10:46 PM	00:00:08	Succeeded			DefaultIntegrationRur
LookupOldWaterMarkActivity	Lookup	10/14/21, 2:10:35 PM	00:00:09	Succeeded			DefaultIntegrationRur
LookupNewWaterMarkActivity	Lookup	10/14/21, 2:10:35 PM	00:00:04	Succeeded			DefaultIntegrationRur

We verify the incrementalcopy folder of our adftutorial container to find a second file created

NAME	TYPE	SIZE	ACCESS TIER	ACCESS TIER LAST MODIFIED	SERVER ENCRYPTED	ETAG	VERSION-LEVEL IMMUTABILITY POLICY	CONTENT-TYPE	CONTENT-MD5	LEASE STATUS	LEASE STATE	LEASE DURATION	COPY STATUS
incremental-41ea8e9d-26bb-4...	Folder												
incremental-5607c66-8651-4...	File												

And then we verify the latest watermark again

```
1 Select * from watermarktable
```

Results	Messages
TableName	WatermarkValue
1 data_source_table	2017-09-07 09:01:00.000