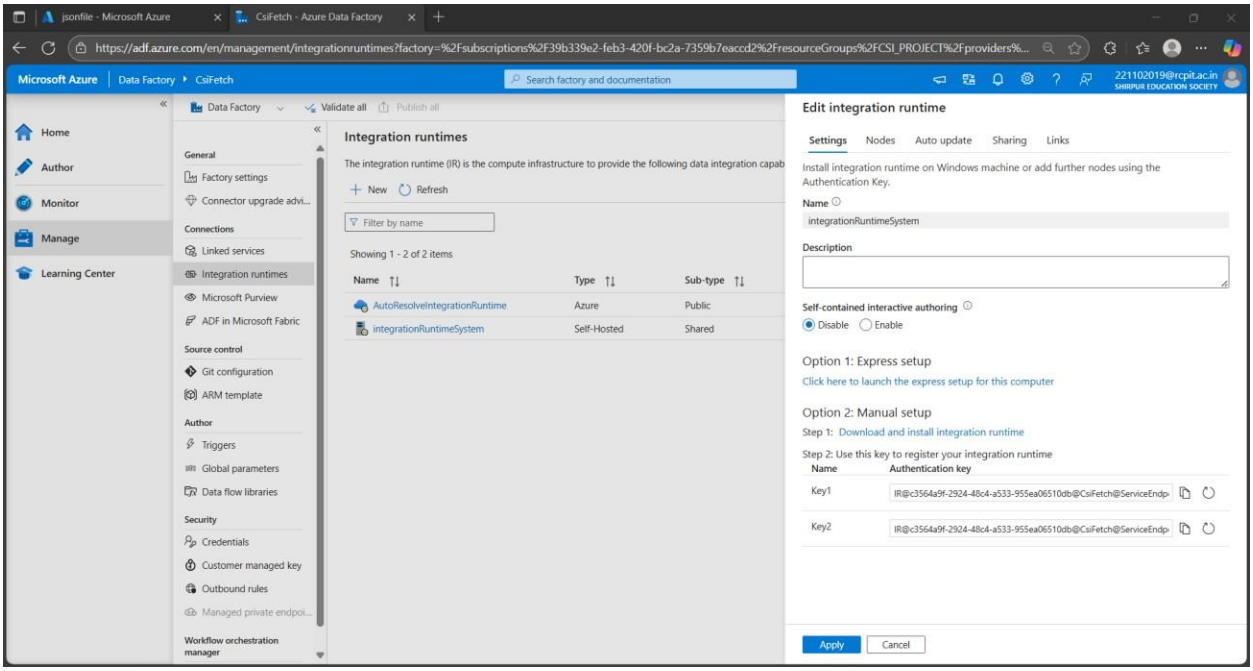
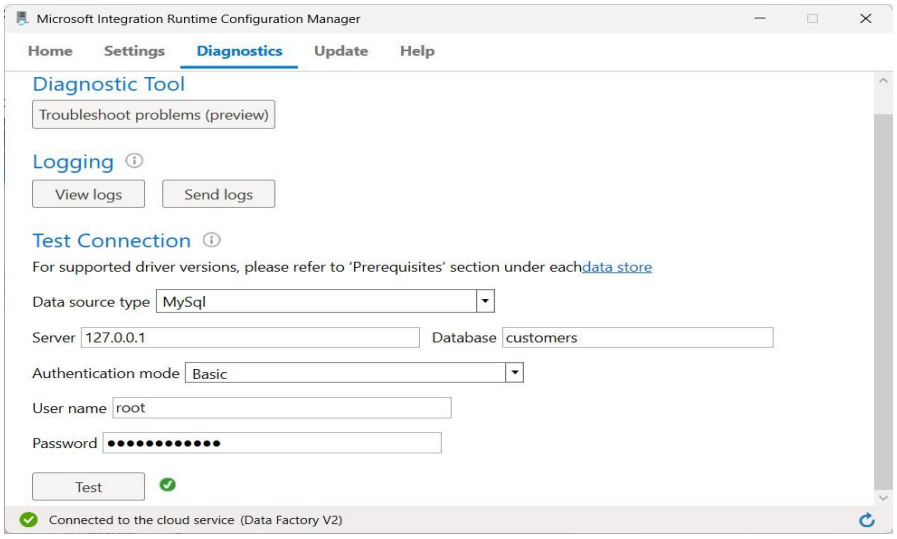
Project Title : A.Create a pipeline to copy customer data from db to adls only if record count is more than 500. Once a data get copy it should call a child pipeline (which will copy the product data from table if customer record count is > 600).
B. Design the pipeline in such a manner that it will pass the Customer pipeline pass the customer count to the child product pipeline via Pipeline parameter.

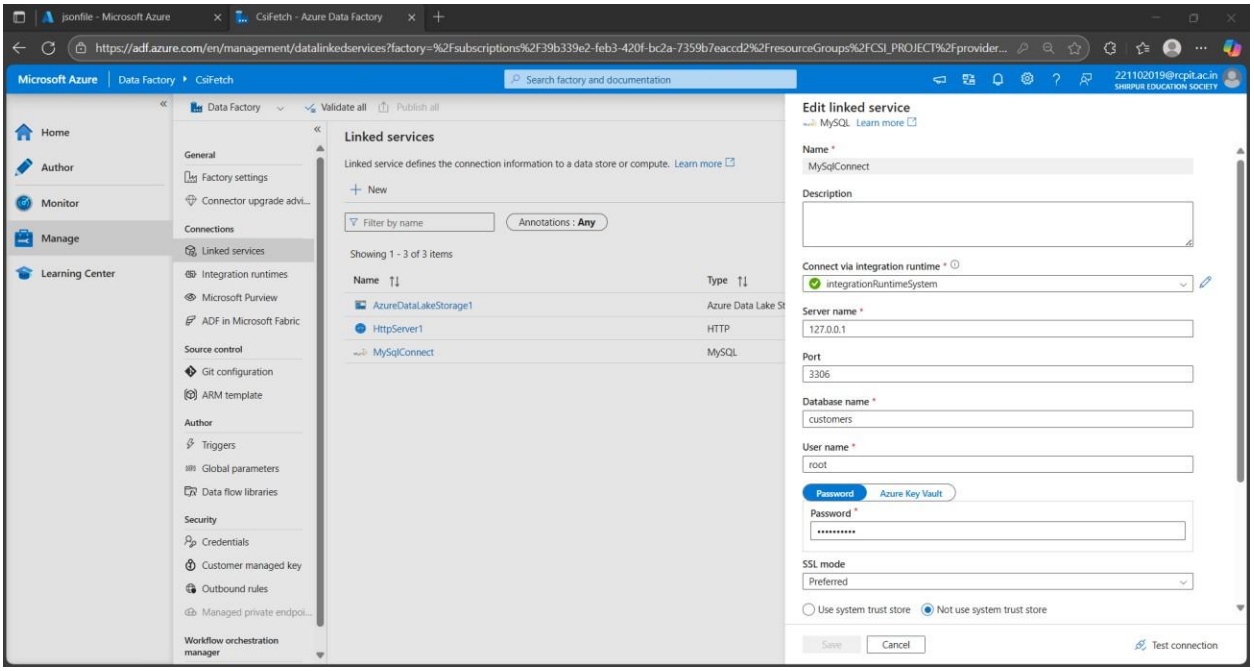
Step 1 : setting up Self-hosted IR to enable secure on-prem-to-cloud transfer.

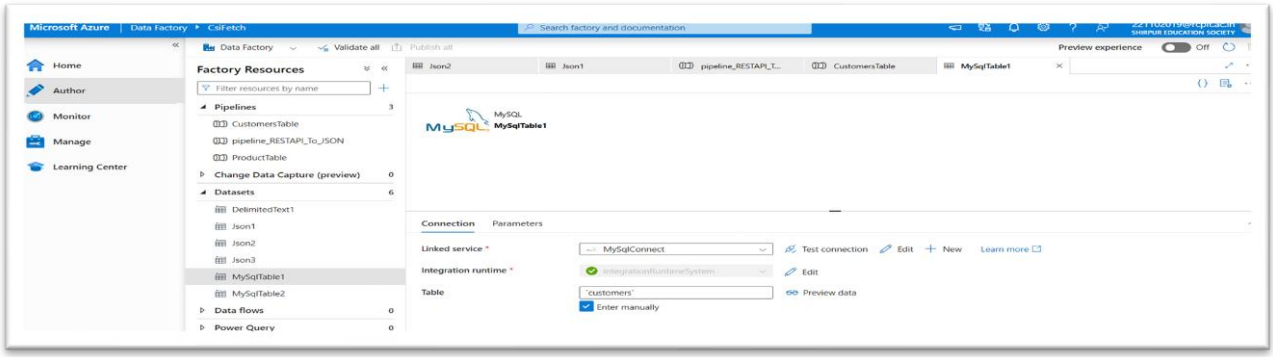


Step 2: Configure Microsoft Integration Runtime with Azure Data Factory .

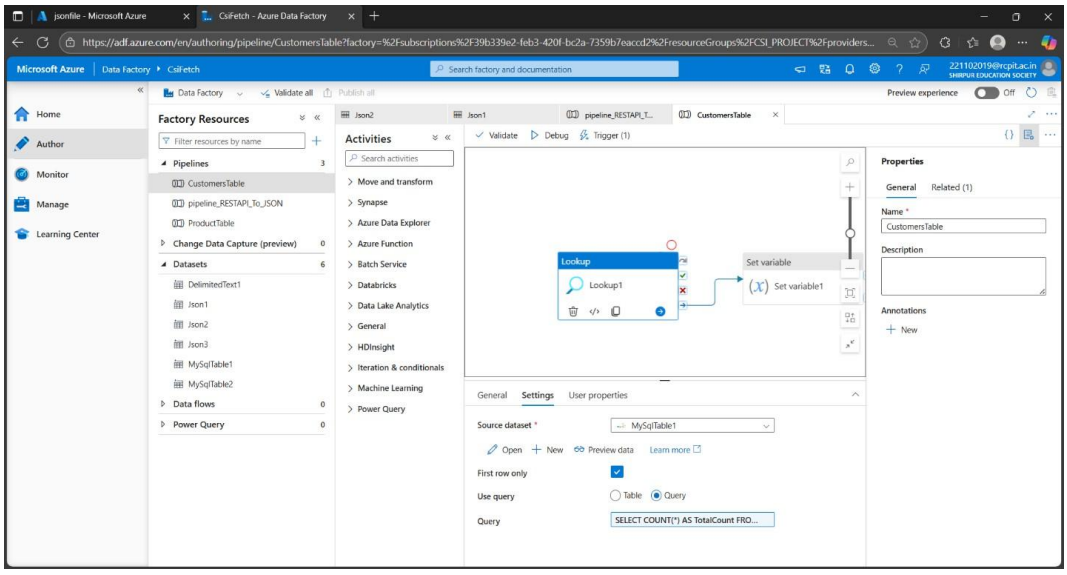


Step 2: Add Linked Services of Mysql Databases and Add Mysql Table Databases into Datasets.

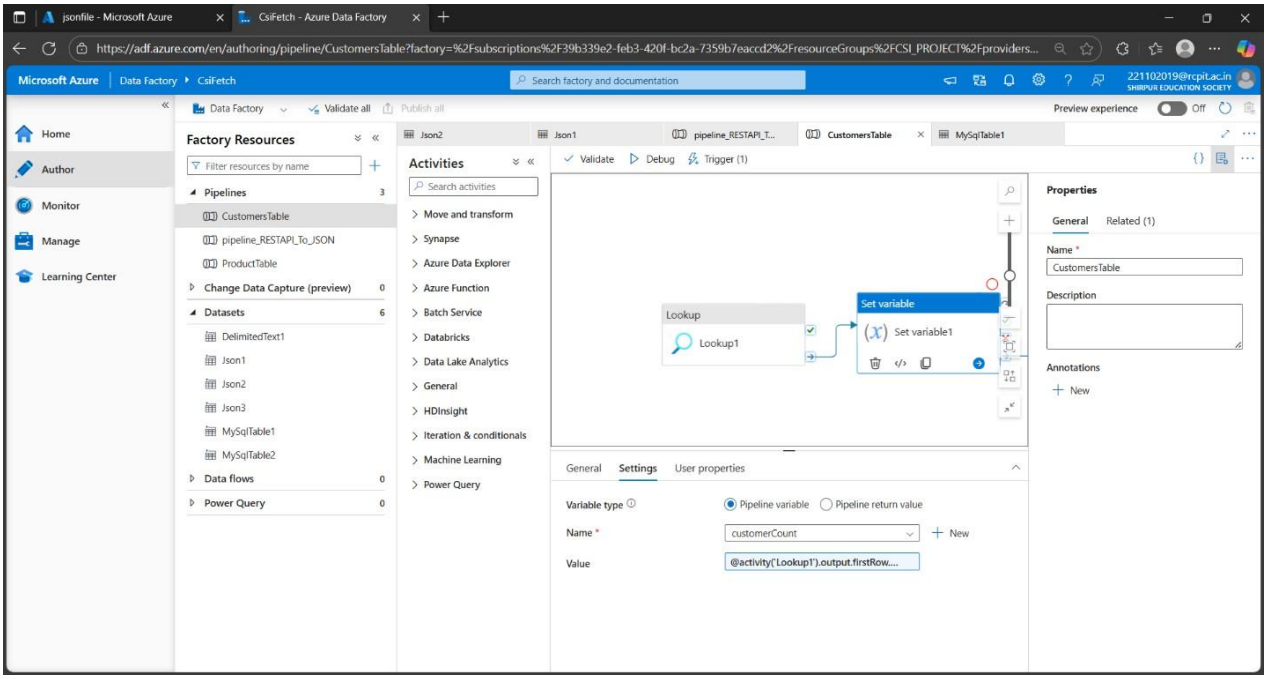




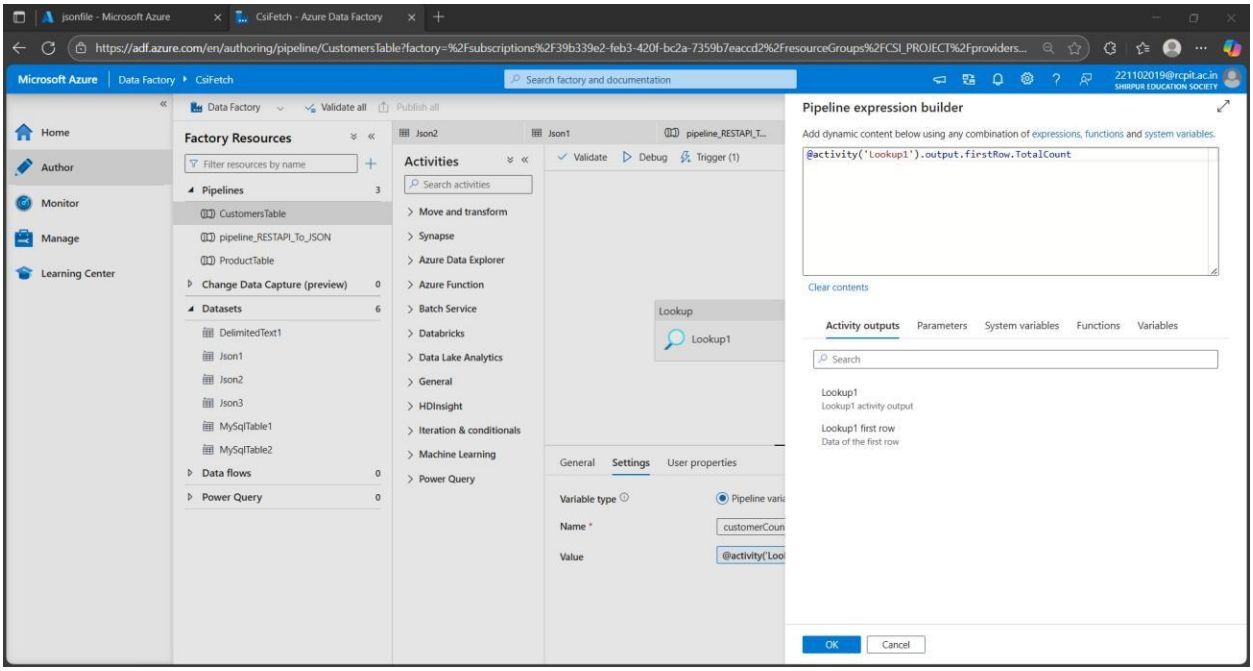
Step 3: Create a Pipeline and add look up activity set dataset as Mysql table and perform Query to count the Row on tables.



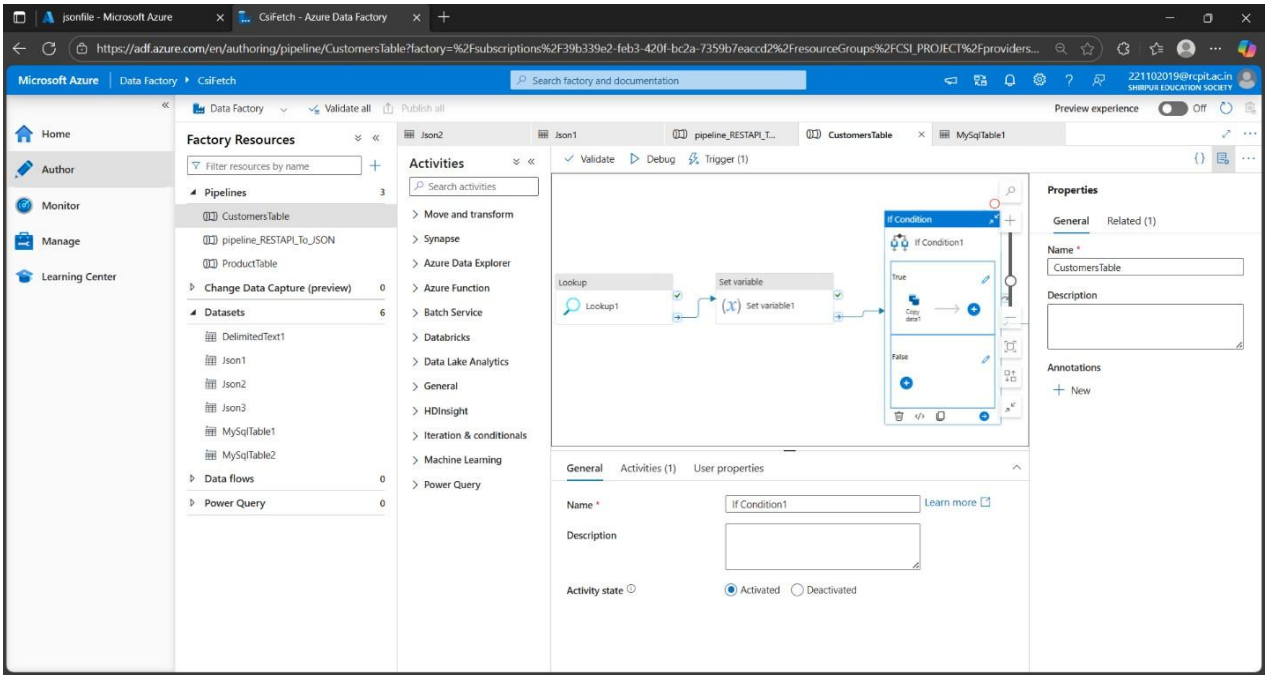
Step 4: Use Set Variable activity to Store Row Count as variable in Set variable activity.



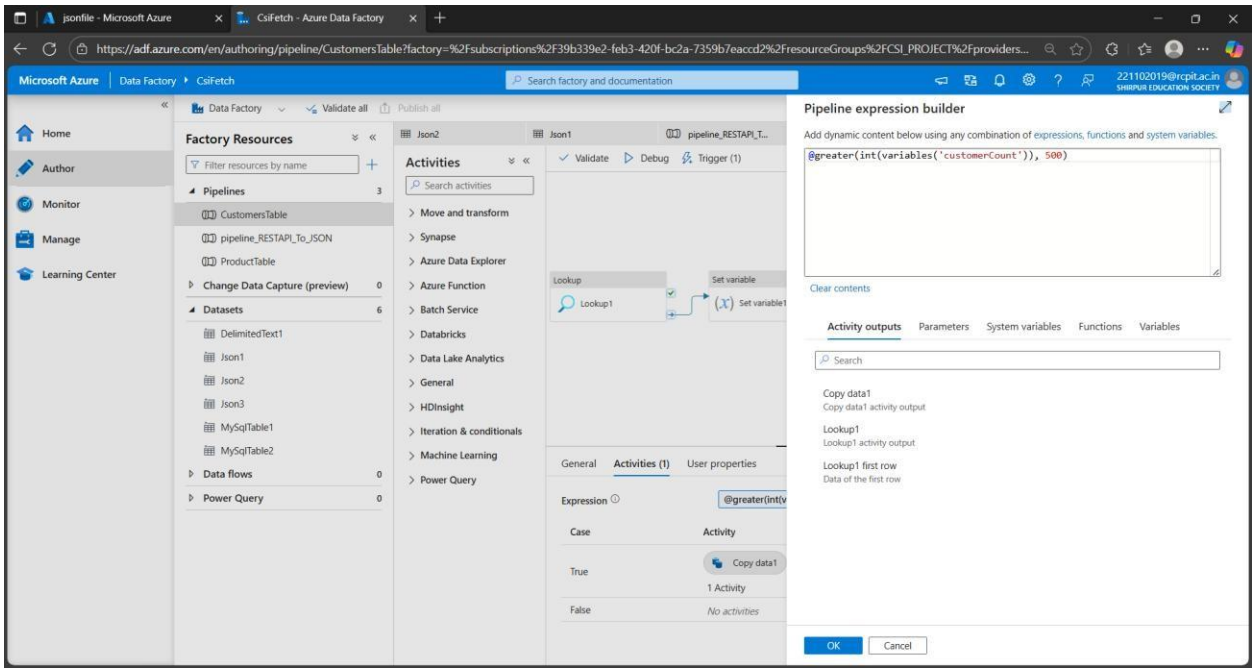
Add Pipeline Expression at Set variable activity



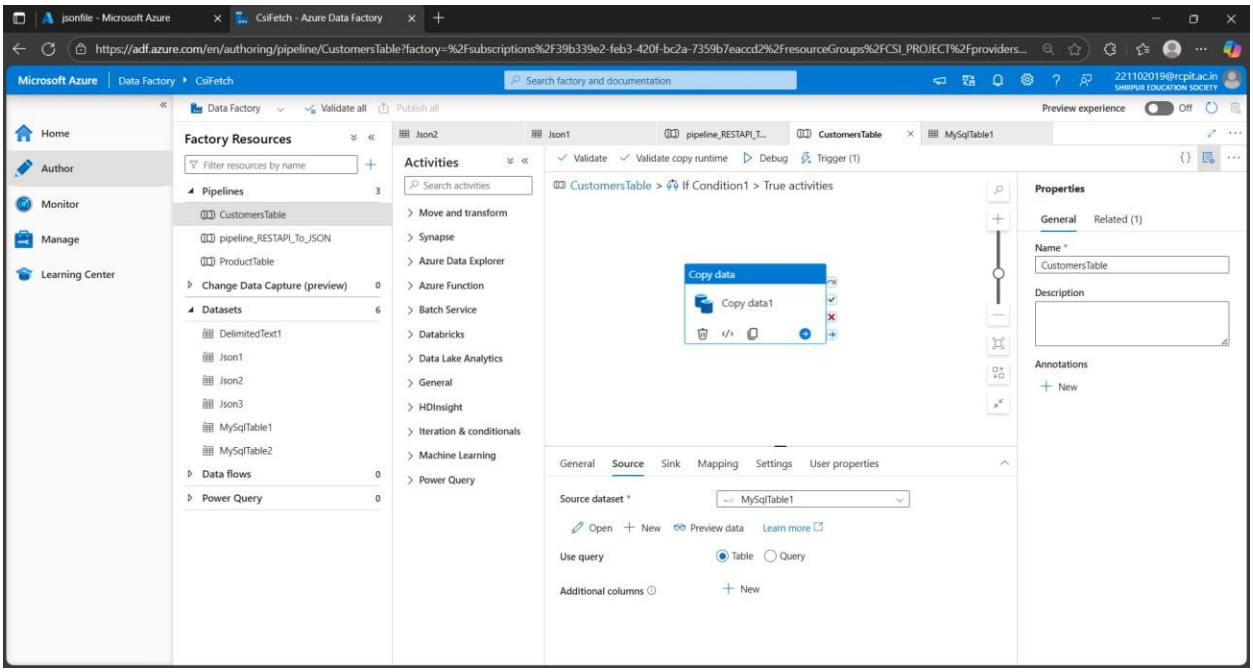
Step 5 : Implement IF Condition activity to check Condition Row Count >500.



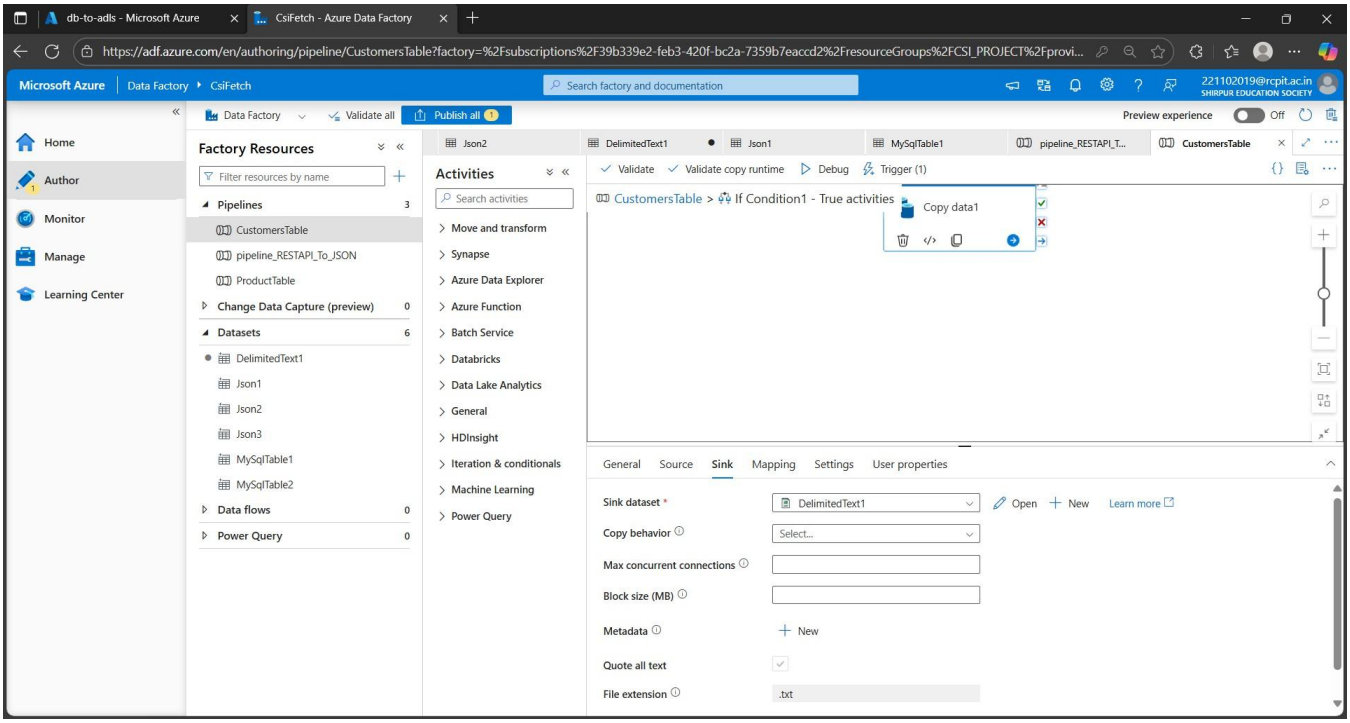
Step 6: Set If Activity Condition as Expression Builder



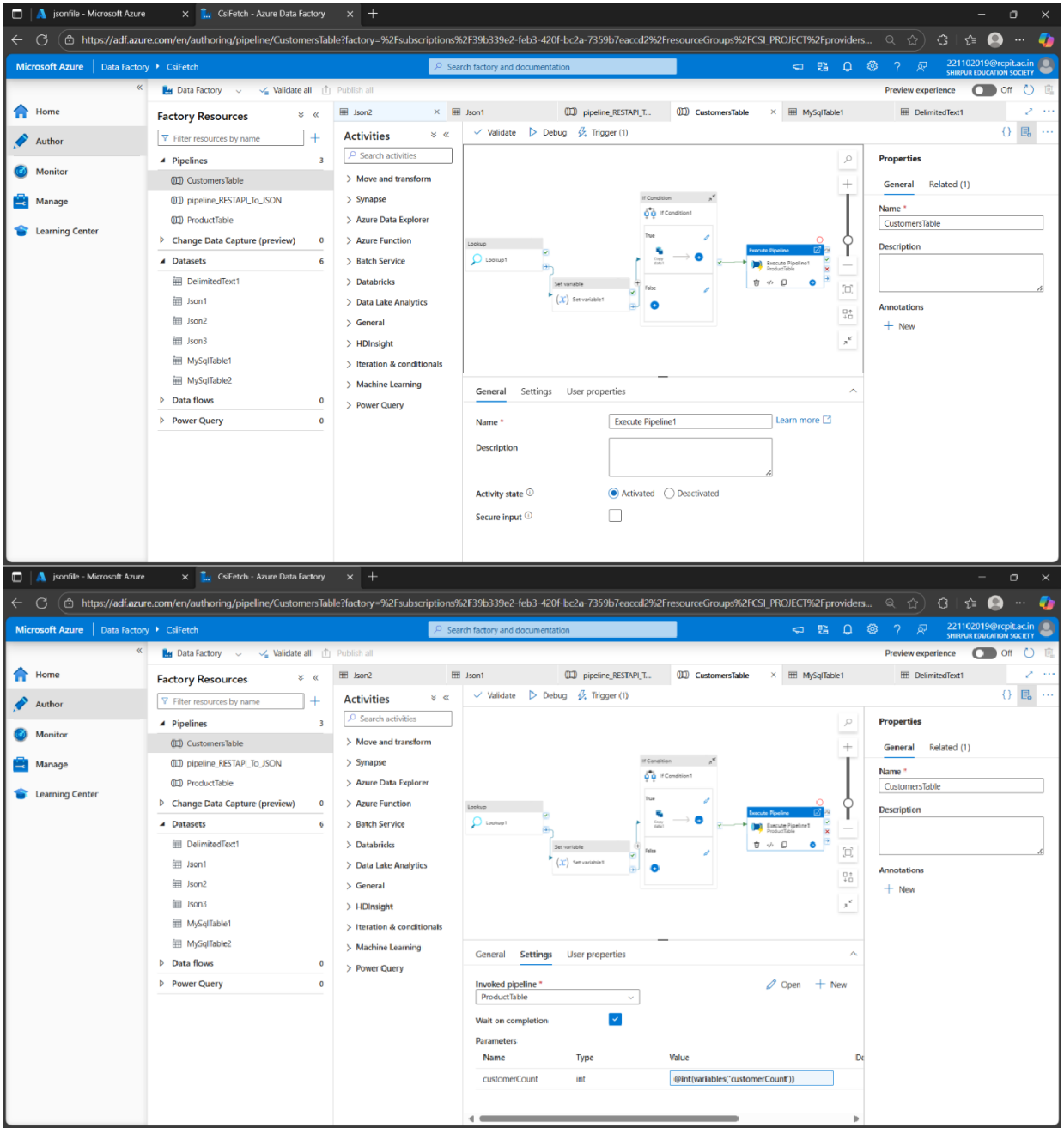
Step 7: Inside If Activity implement Copy Activity and Source Input set MysqlTable



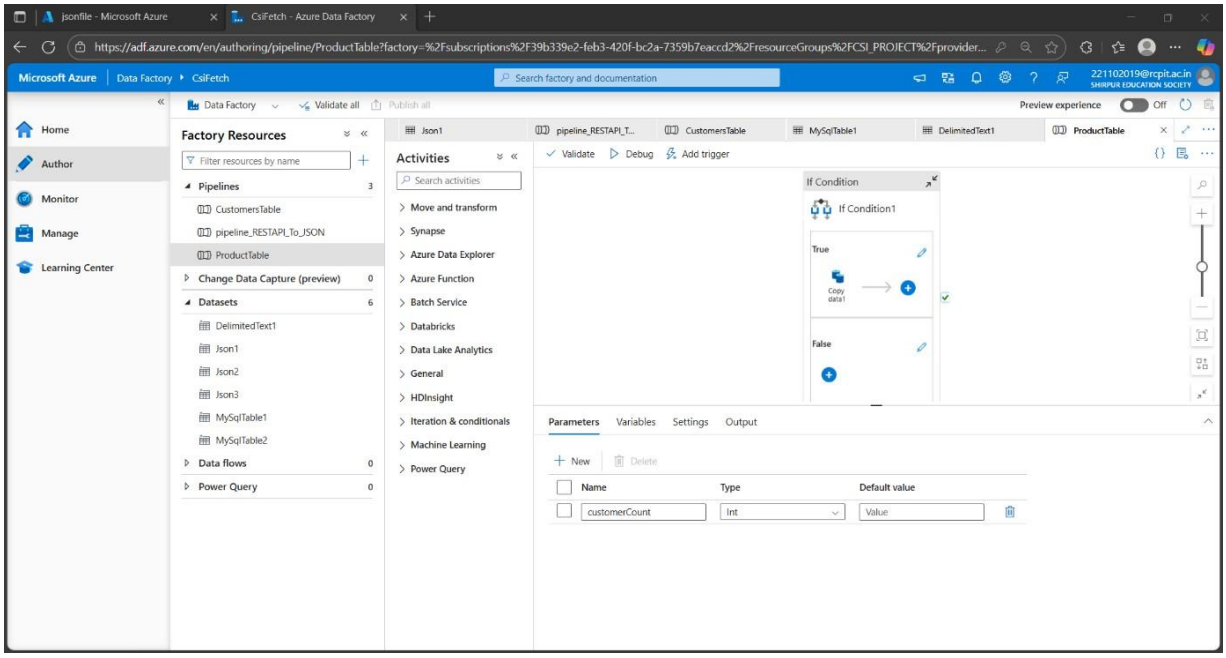
Step 8: Copy Activity Sink Set CSV File as Storage File on Azure Data Lake Gen2.

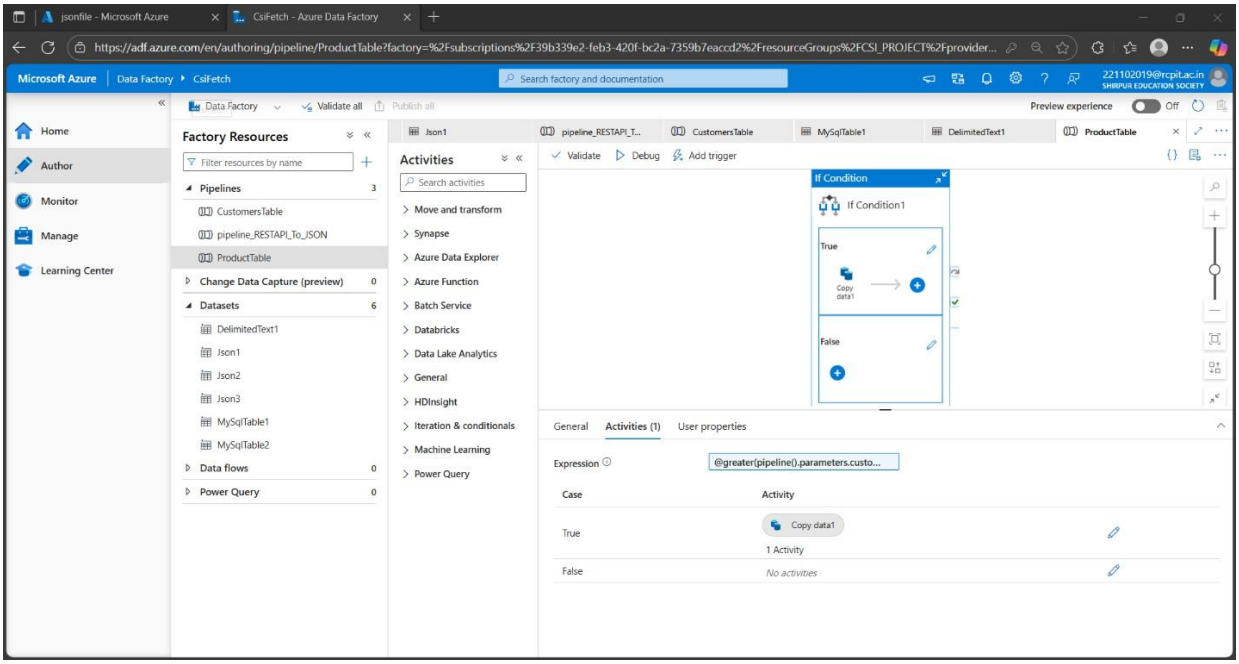


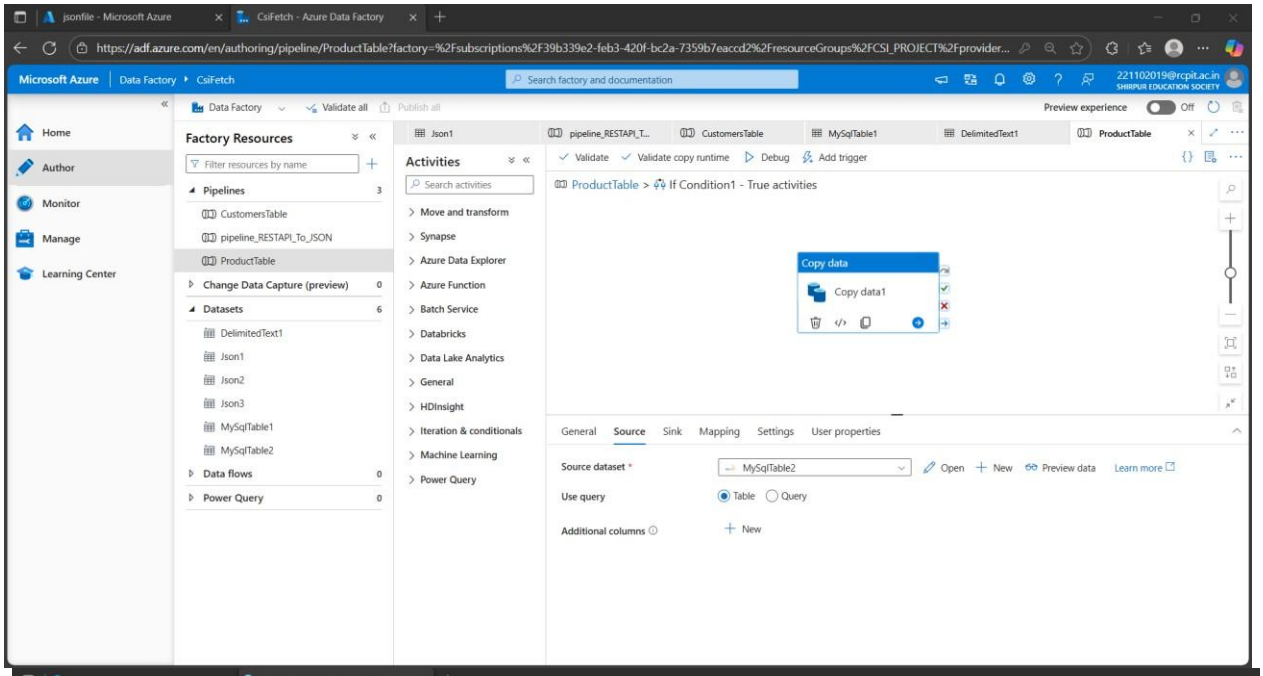
Step 9 :After IF Condition Activity Success Connect This into Execute Pipeline Activity to Invoke the ProductTable Pipeline Activity to pass Customer Count into Another pipeline that pipeline is ProductTable Pipeline and Run this pipeline .



Create ProductTable Pipeline and Set Parameter customerCount this same in CustomerTable Pipeline Execute Activity. And if condition check condition Row Count >600.






jsonfile - Microsoft Azure
CsiFetch - Azure Data Factory
https://adf.azure.com/en/authoring/pipeline/ProductTable?factory=%2Fsubscriptions%2F39b339e2-feb3-420f-bc2a-7359b7eaccd2%2FresourceGroups%2FCSI_PROJECT%2Fprovider...
Microsoft Azure
Data Factory
CsiFetch
Search factory and documentation
221102019@rcpit.ac.in
SHIRPUR EDUCATION SOCIETY
Preview experience
Off
Home
Author
Monitor
Manage
Learning Center
Factory Resources
Filter resources by name
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ProductTable
Change Data Capture (preview)
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Json1
Json2
Json3
MySqlTable1
MySqlTable2
Data flows
Power Query
Activities
Search activities
Move and transform
Synapse
Azure Data Explorer
Azure Function
Batch Service
Databricks
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
Add trigger
ProductTable > If Condition1 - True activities
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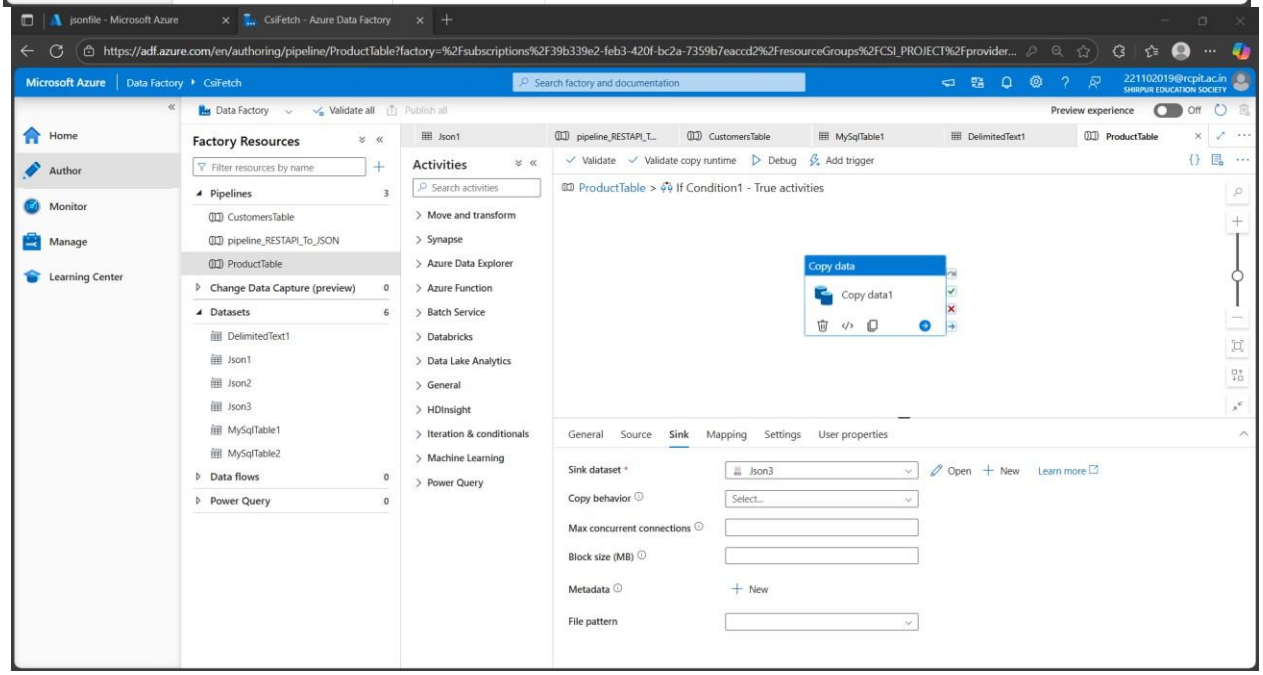
Sink
Mapping
Settings
User properties
Source dataset *
MySqlTable2
Open
New
Preview data
Learn more
Use query
Table
Query
Additional columns
New


jsonfile - Microsoft Azure
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https://adf.azure.com/en/authoring/pipeline/ProductTable?factory=%2Fsubscriptions%2F39b339e2-feb3-420f-bc2a-7359b7eaccd2%2FresourceGroups%2FCSI_PROJECT%2Fprovider...
Microsoft Azure
Data Factory
CsiFetch
Search factory and documentation
221102019@rcpit.ac.in
SHIRPUR EDUCATION SOCIETY
Preview experience
Off
Home
Author
Monitor
Manage
Learning Center
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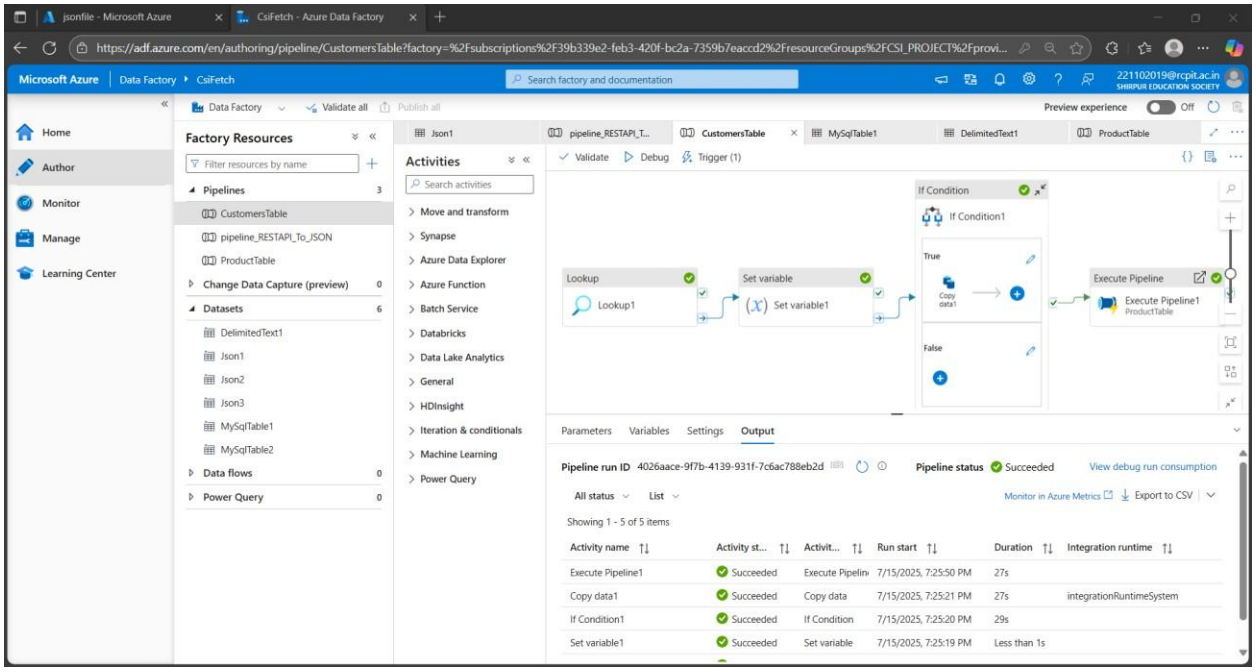
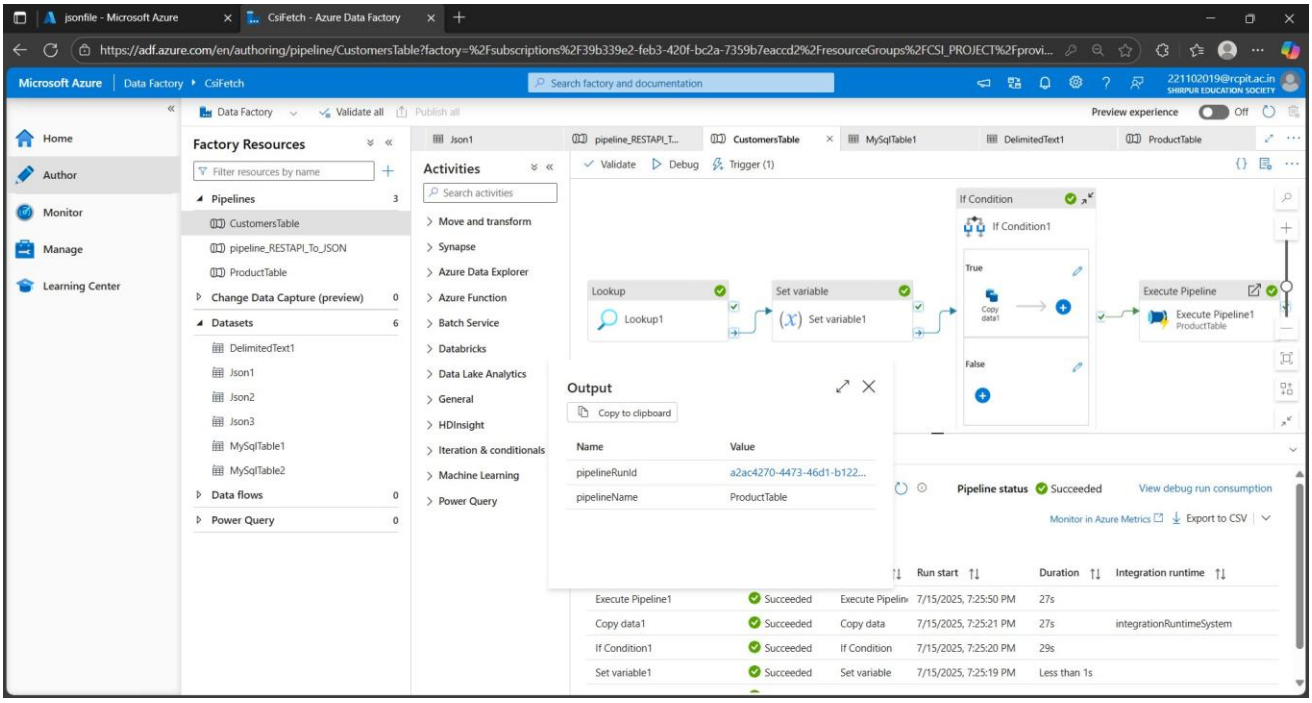
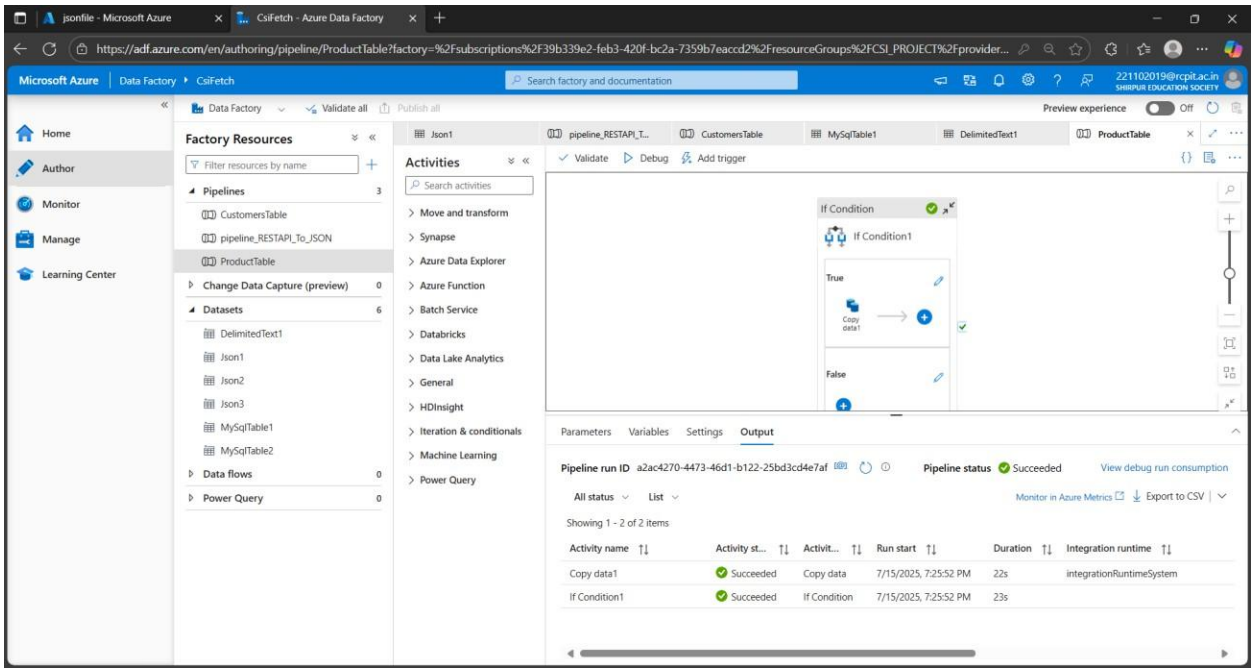
Iteration & conditionals
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
Add trigger
ProductTable > If Condition1 - True activities
Copy data
Copy data1
General
Source
Sink
Mapping
Settings
User properties
Sink dataset *
Json3
Open
New
Learn more
Copy behavior
Select...
Max concurrent connections
Block size (MB)
Metadata
New
File pattern

Step 10 : Execute Pipeline CustomerTable Pipeline are Execute as well Execute Activity to Execute Child Pipeline as passing parameter.

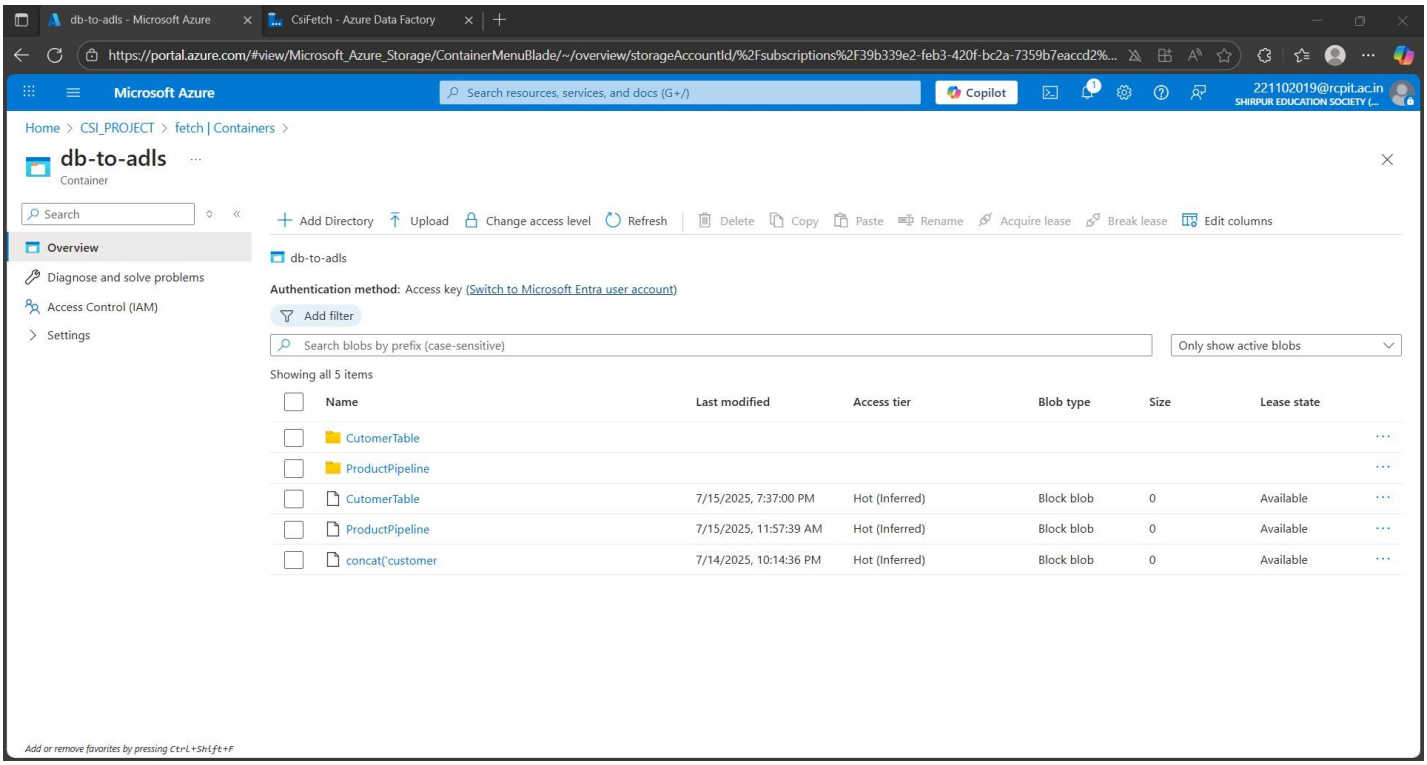




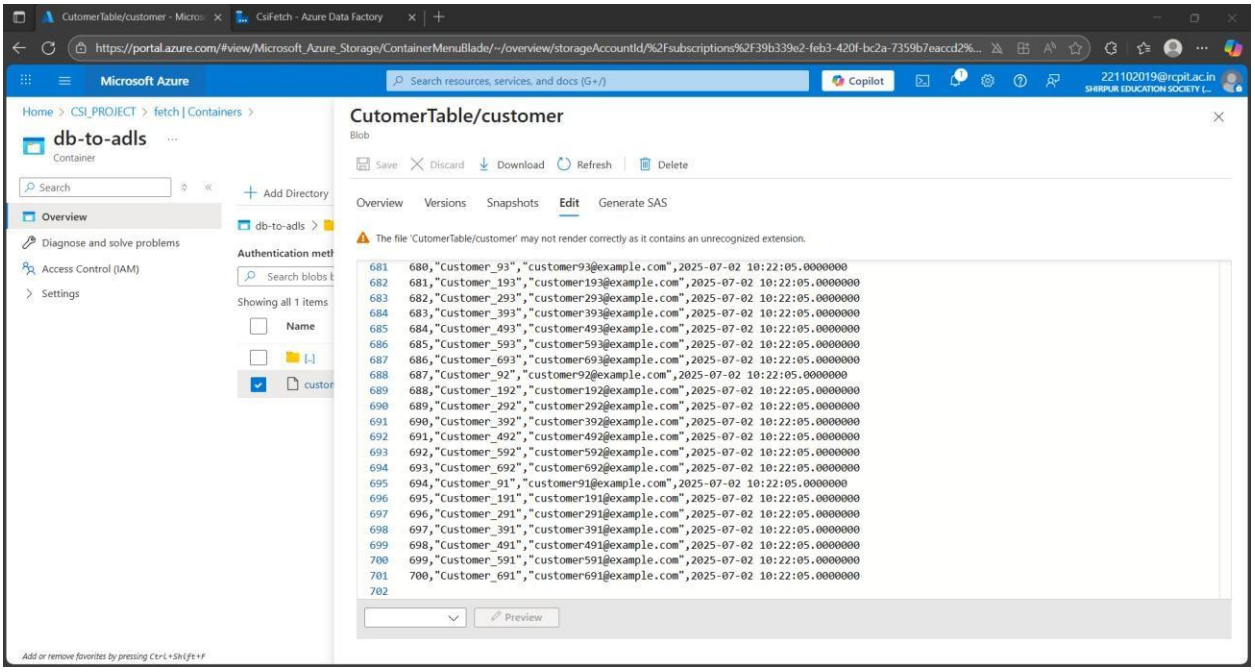
ProductTable (Child Pipeline)Pipeline Execute as Auto Passing Parameter into CustomerTable pipeline (Parent Pipeline)and Trigger



Container of this all file are Store :



CustomerTable(Parent Pipline) Pipeline Output As CSV:



ProductTable(Child Pipeline) Pipeline Output as JSON