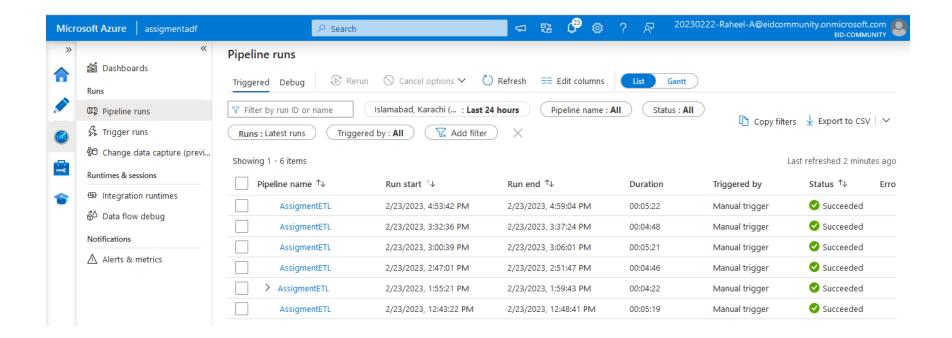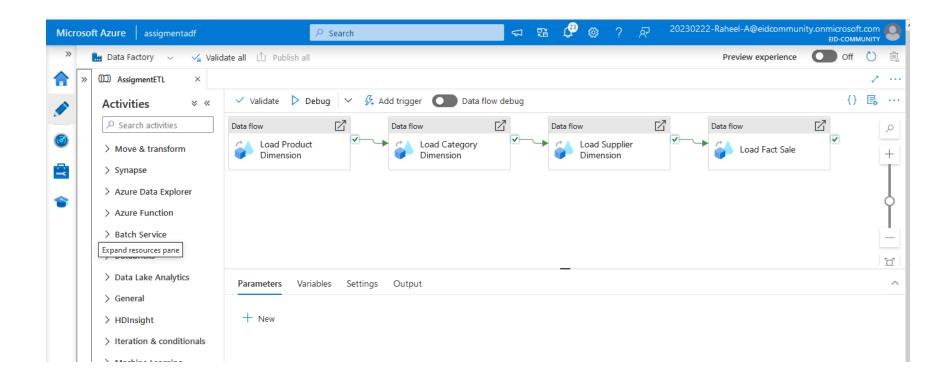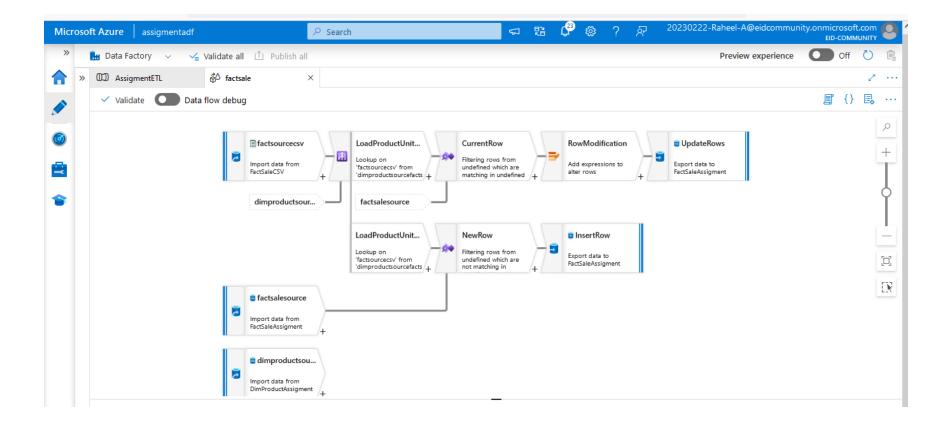**Initial Step (Optional)**: All the scripts are executed in Azure SQL Database in AssigmentTest database, however, in order to create in new database, Run the scripts in order e.g. 1..2..3..4 after changing the database name at top of every script (in case database name is different than AssigmentTest)

Main Step: Azure Data Factory pipeline is already created, just run the C# program either through Visual Studio IDE or Just from bin directory, Press Y to start the pipeline, (Pipeline will load the OLTP data from Data Lake, transform into Star Schema Data Ware House format (fact, dimension) and push in OLAP tables of Data Ware House), Pipeline Execution can be viewed on console app OR on Azure Data Factory Monitor area , Once the C# program is executed, it's write the execution status in Azure SQL Database in LogInfo table

Search

20230222-Raheel-A@eidcommunity.onmicrosoft.com
EID-COMMUNITY

Pipeline runs

Dashboards

Runs

Pipeline runs

Trigger runs

Change data capture (previ...

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

Triggered   Debug

⟳ Rerun   ⊘ Cancel options ⌄   ↻ Refresh   ☰ Edit columns | **List** | Gantt |

▽ Filter by run ID or name | Islamabad, Karachi (... : **Last 24 hours** | Pipeline name : **All**   Status : **All**

Copy filters   ↓ Export to CSV   ⌄

Runs : Latest runs   Triggered by : **All**   ▽ Add filter   ✕

Showing 1 - 6 items   Last refreshed 2 minutes ago

	Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓	Erro
☐	AssigmentETL	2/23/2023, 4:53:42 PM	2/23/2023, 4:59:04 PM	00:05:22	Manual trigger	✅ Succeeded	
☐	AssigmentETL	2/23/2023, 3:32:36 PM	2/23/2023, 3:37:24 PM	00:04:48	Manual trigger	✅ Succeeded	
☐	AssigmentETL	2/23/2023, 3:00:39 PM	2/23/2023, 3:06:01 PM	00:05:21	Manual trigger	✅ Succeeded	
☐	AssigmentETL	2/23/2023, 2:47:01 PM	2/23/2023, 2:51:47 PM	00:04:46	Manual trigger	✅ Succeeded	
☐ ›	AssigmentETL	2/23/2023, 1:55:21 PM	2/23/2023, 1:59:43 PM	00:04:22	Manual trigger	✅ Succeeded	
☐	AssigmentETL	2/23/2023, 12:43:22 PM	2/23/2023, 12:48:41 PM	00:05:19	Manual trigger	✅ Succeeded	

Another Step (Optional): Run CDCEnableDisable.sql script, It will enable CDC on assignment test database, create a history table, made some changes, push the changed data into history table, show changed data from history table, disable CDC and drop history table

Azure Cognitive App: Azure Cognitive Index is already developed, just run the C# program either through Visual Studio IDE or Just from bin directory and follow the instructions

```
Please type the search term Or put * to return All for the Azure Cognitive Search and hit enter

bolt
Loading......

================================================
Product ID:9
Product Name:Chainring Bolts
Category ID:4
Category Name:Accessories
Price:181.00
Description:Chainring Bolts is a very good product: CB-2903
Date Added:2015-02-22T19:16:36.820Z
================================================
Please either close the program OR type another search term Or put * to return All for the Azure Cognitive Search and hi
t enter

*
Loading......

================================================
Product ID:20
Product Name:Fork End
Category ID:2
Category Name:Components
Price:332.00
Description:Fork End is a very good product: FE-3760
Date Added:2015-02-22T19:16:36.820Z
================================================
```