## NAME -MAHALAKSHMI S

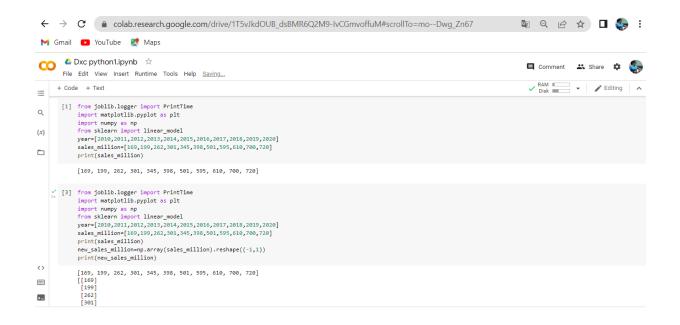
**ROLLNO – DXC-262AB-1229** 

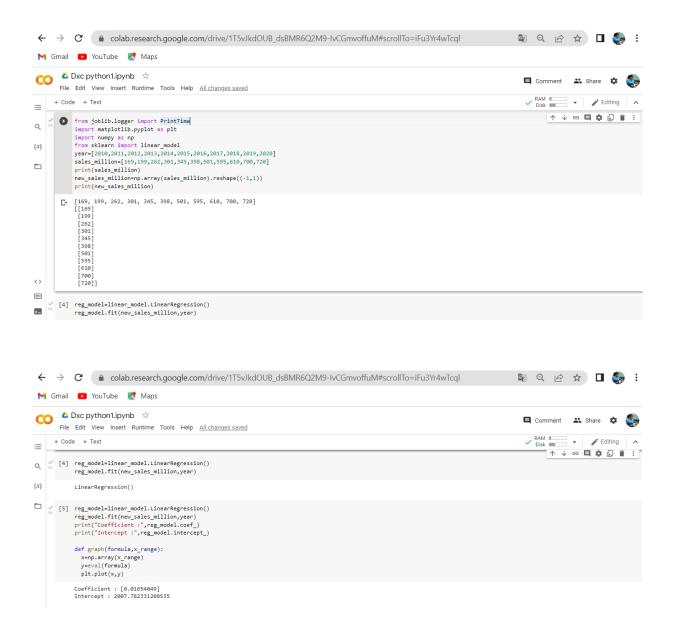
BATCH - DXC-262-ANALYTICS-B12-AZURE

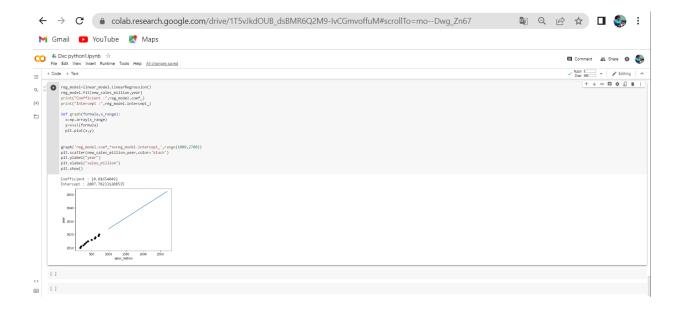
COMPANY - DXC TECHNOLOGY

## **ASSIGNMENT 11**

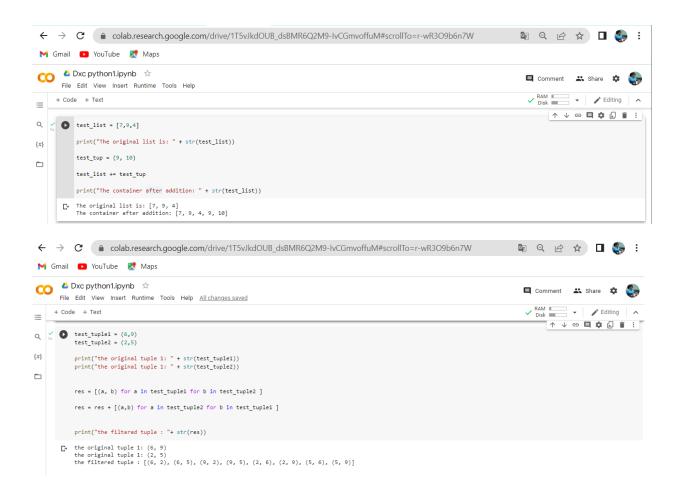
1. Write a python program to pridict car sales of a company by using below data, year : 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 Sales in millions: 169 199 262 301 345 398 501 595 610 700 720 display outcome using linear regression method





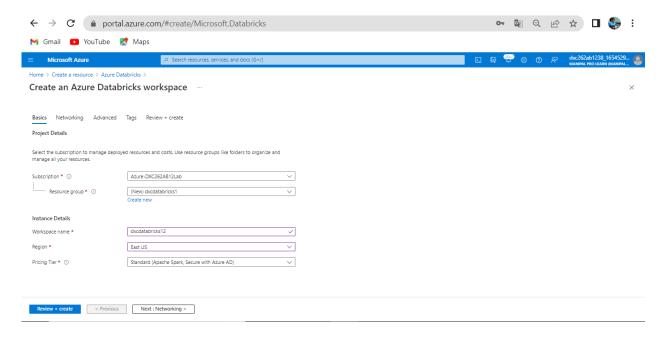


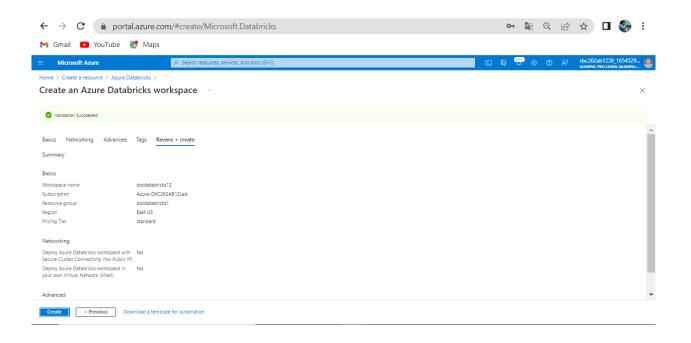
2. Write python program to generate possible tuples from any two sample Lists

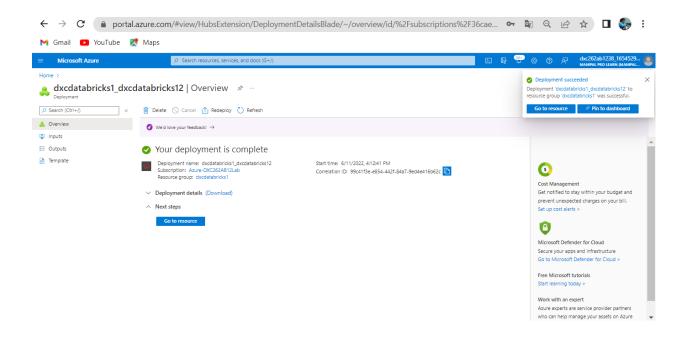


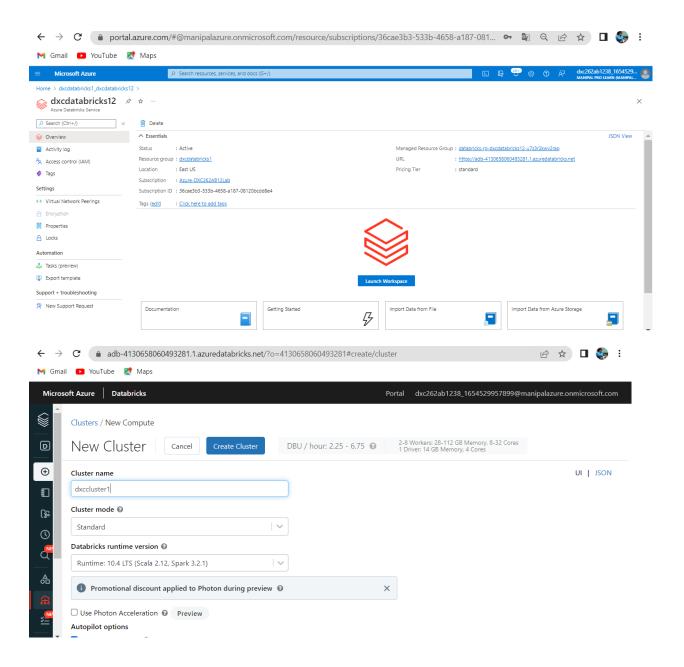


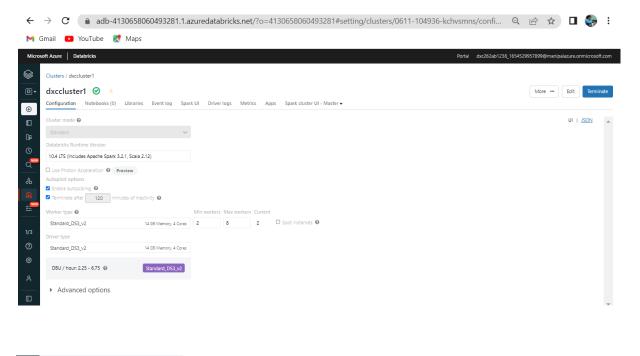
3. Create Azure Databricks & try to connect databricks & powerBI, explain the steps with screenshots.

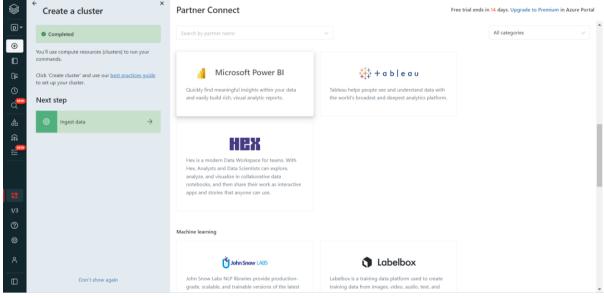






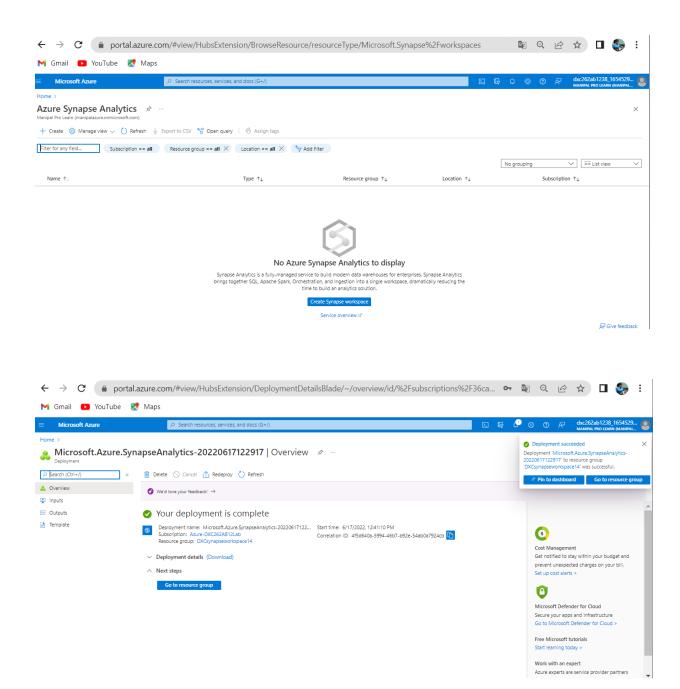


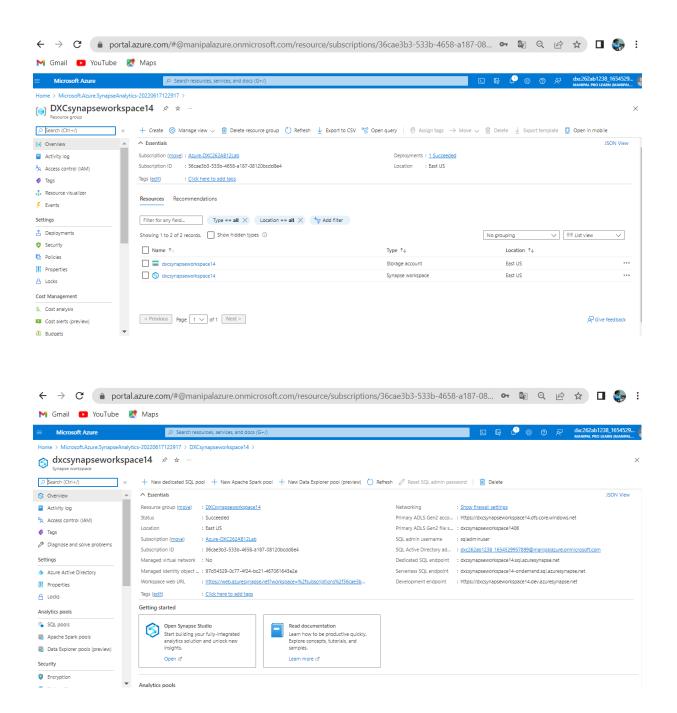


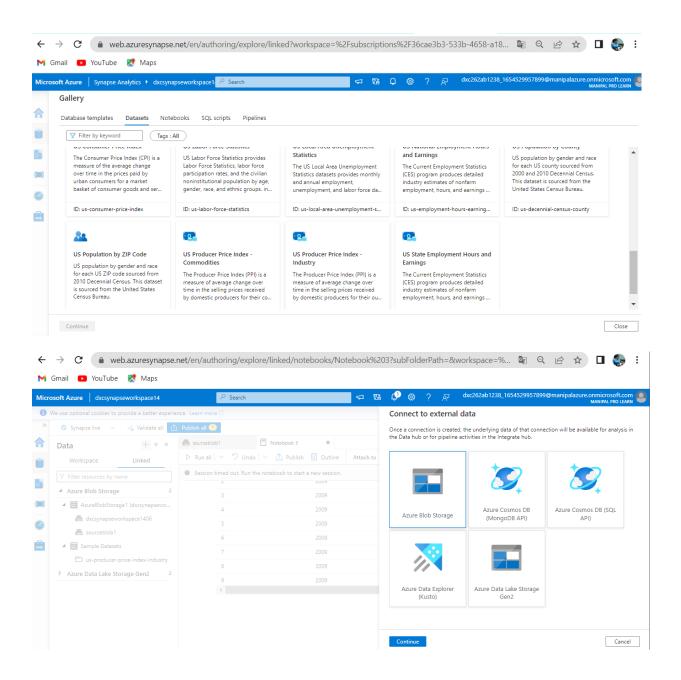


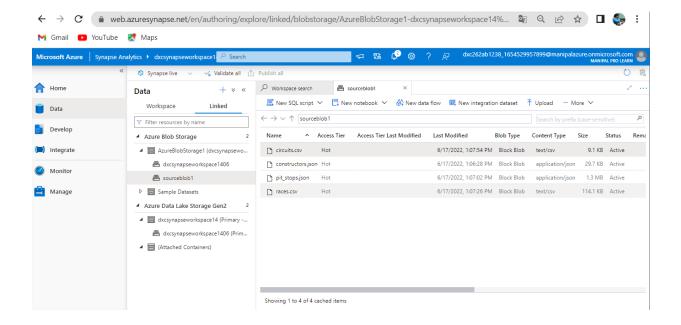
- ✓ Download the connection file and then use it. We need to generate and access token. For that, click on User settings and generate an access token.
- ✓ Copy the token code and save it for future use.
- ✓ Open the connection file and login using the access token. Now, you can load the data and perform analytics on it. We can plot and verify the data and present it in different format.

4. Create Azure Synapse & connect with Azure Blob, explain the steps with screenshots

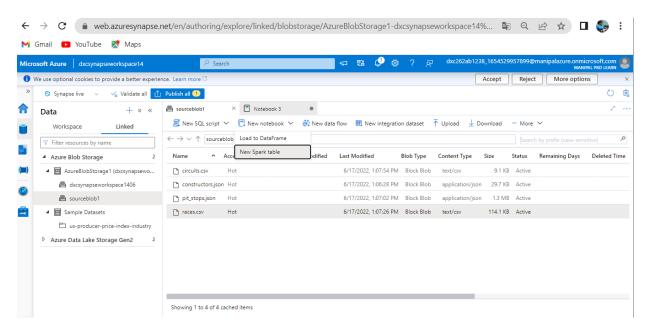


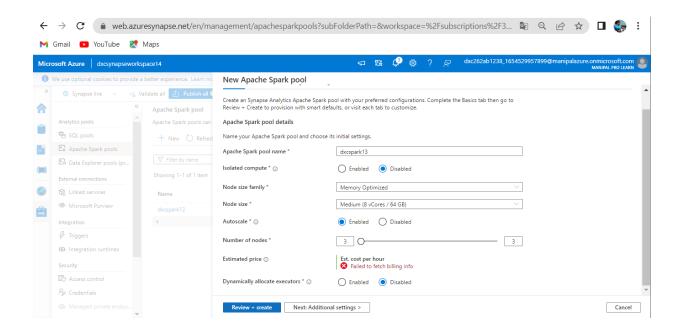


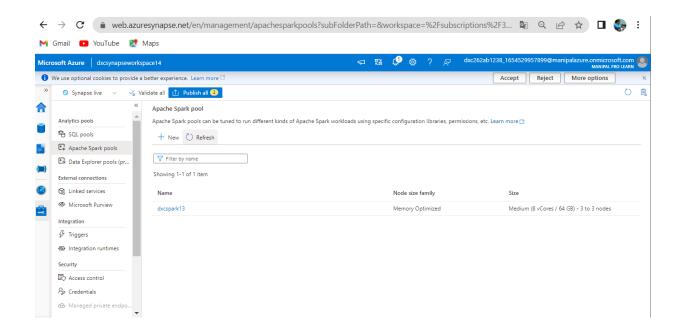


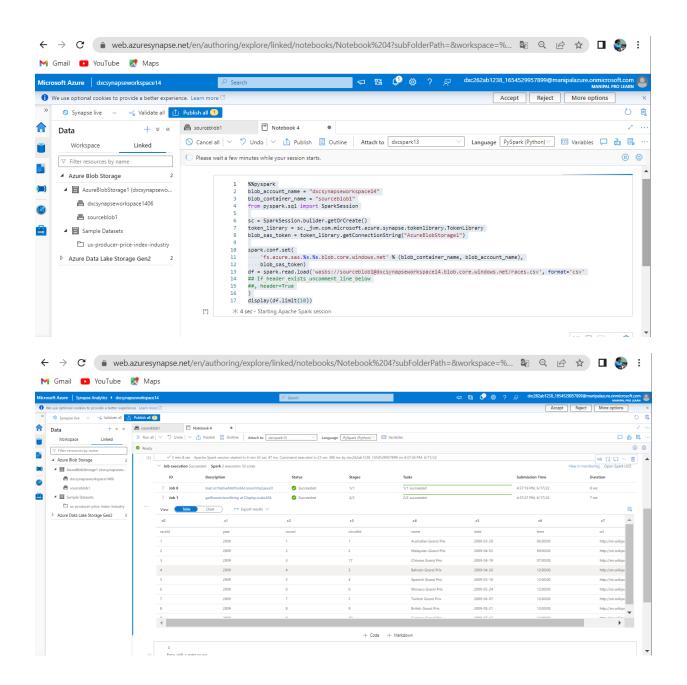


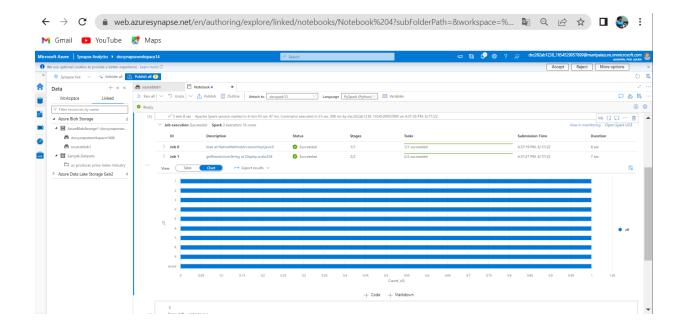
5.Create Azure Synapse spark pool & query sample sample JSON file, explain the steps with screenshots



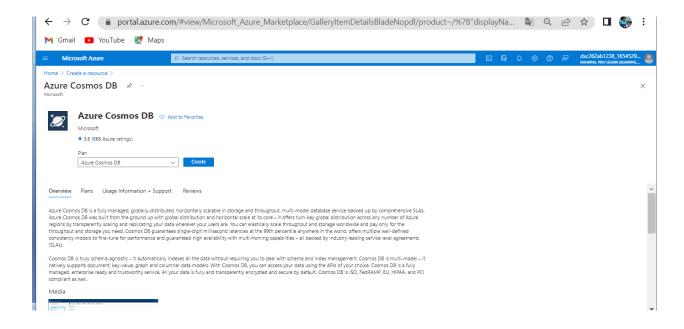


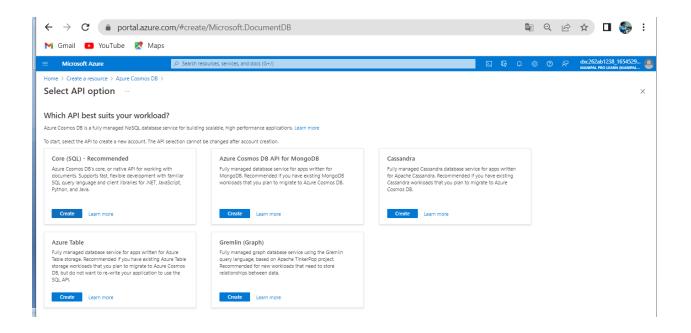


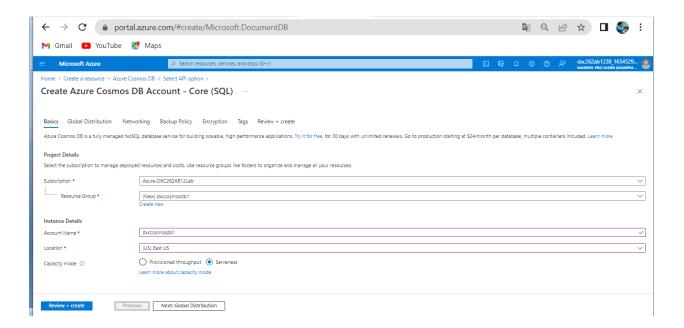


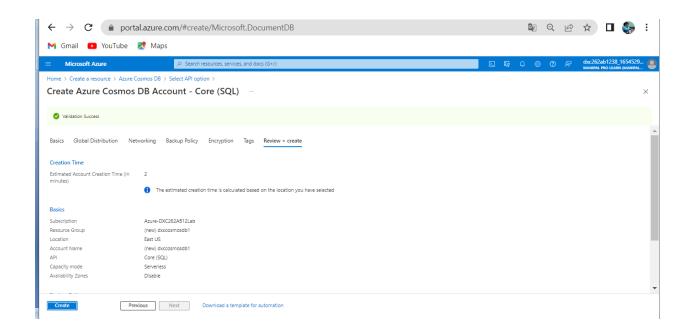


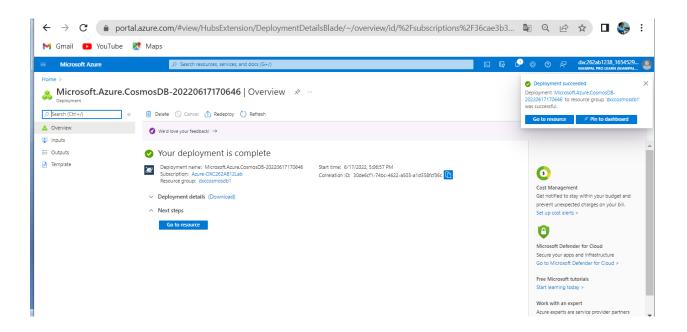
6.Create Azure Cosmos DB & import sample JSON file, explain the steps with screenshots

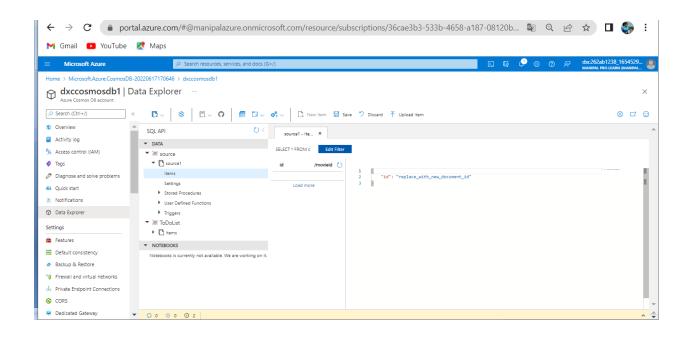


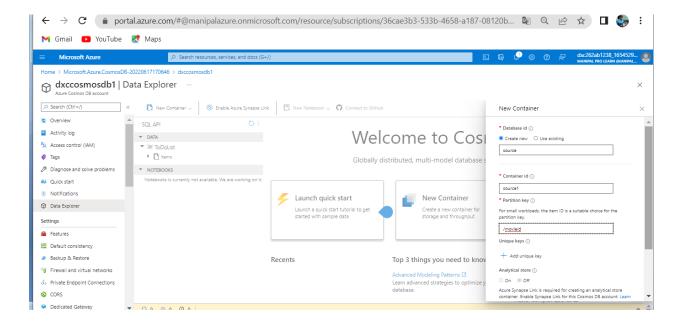


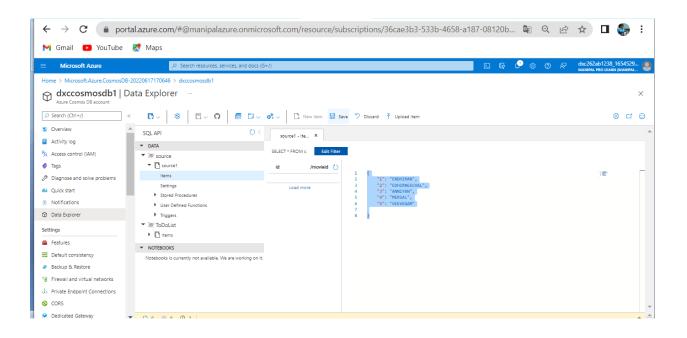


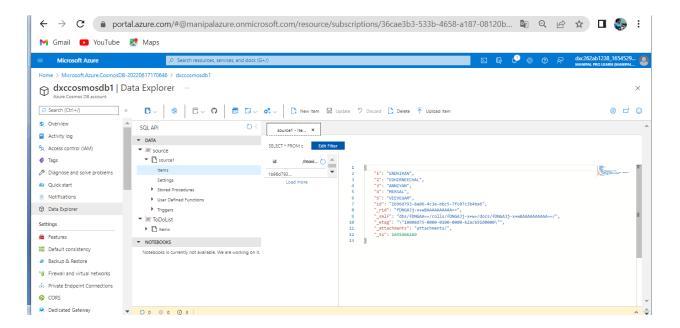


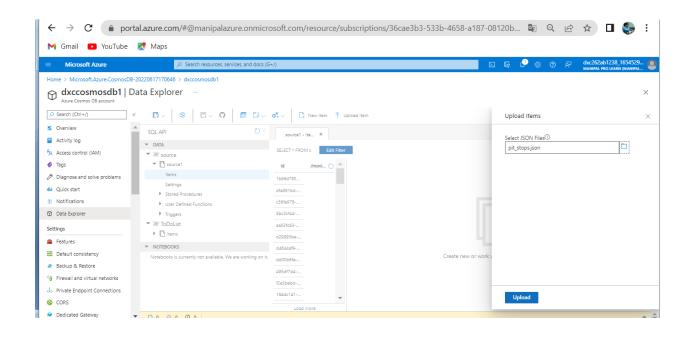


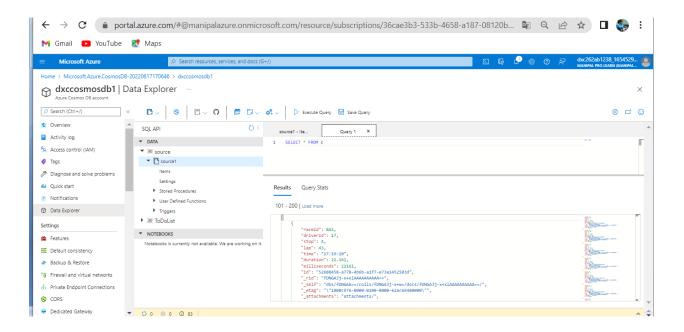




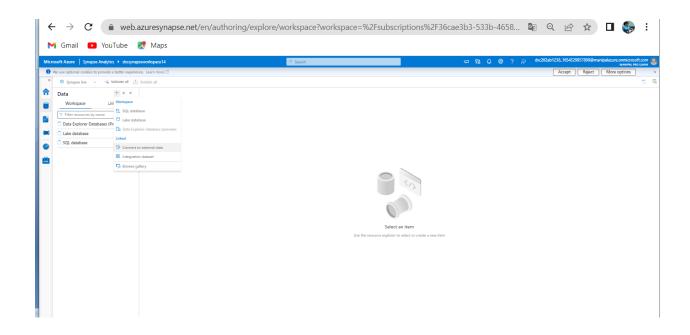


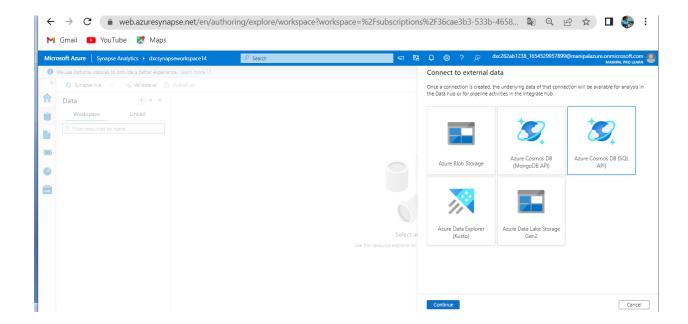


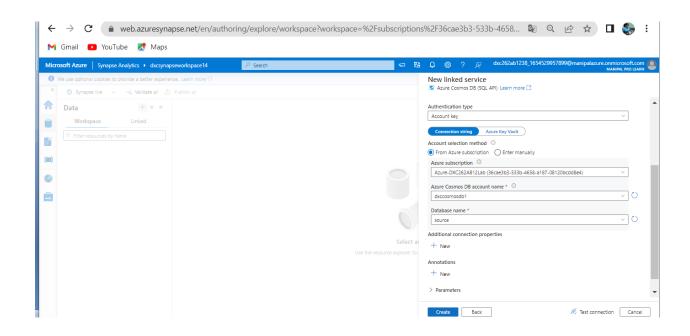


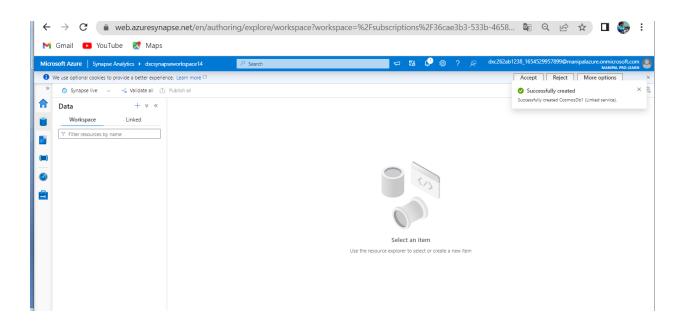


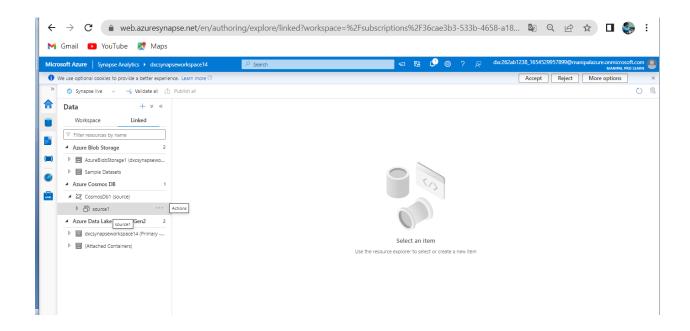
## 7. Connect COSMOS DB & Azure Synapse analytics & explain the steps with screenshots



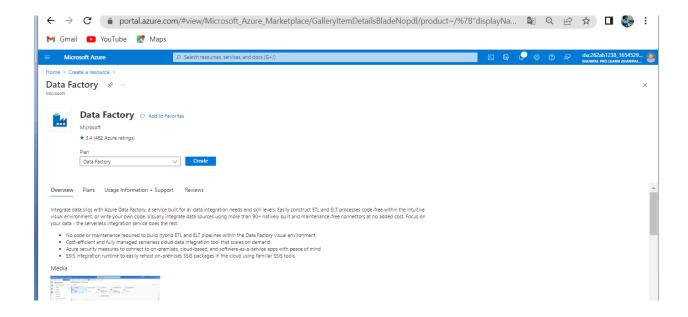


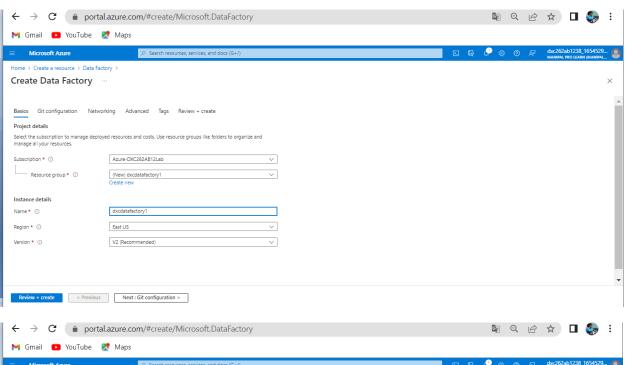


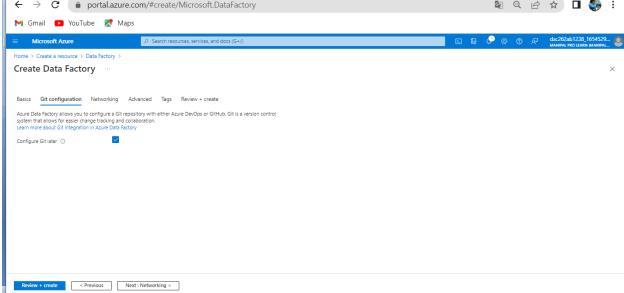


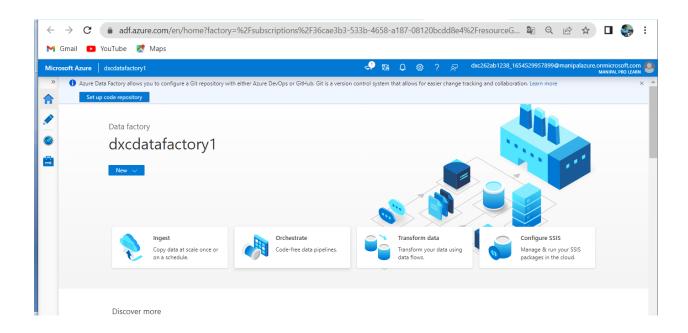


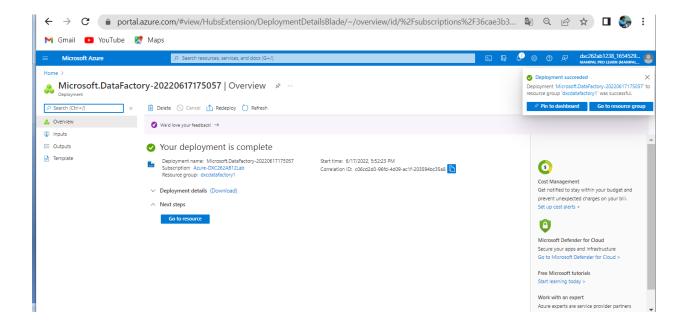
8.Create azure Data factory & azure Blob, connect Blob & ADF, import blob files into Data factory & explain the steps with screenshots

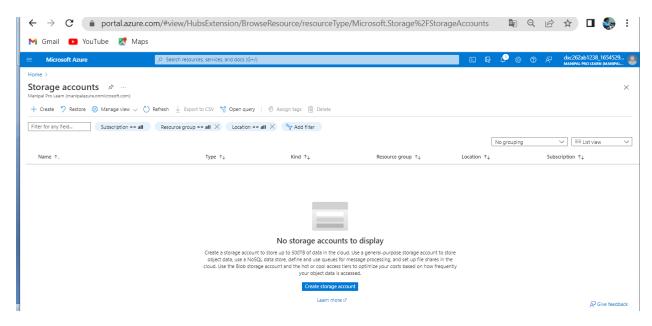


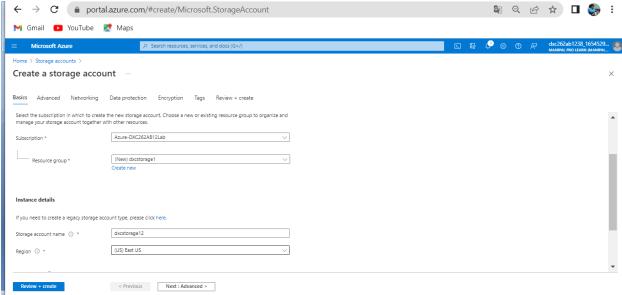


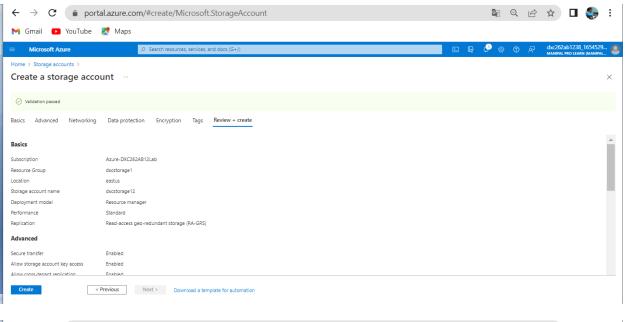


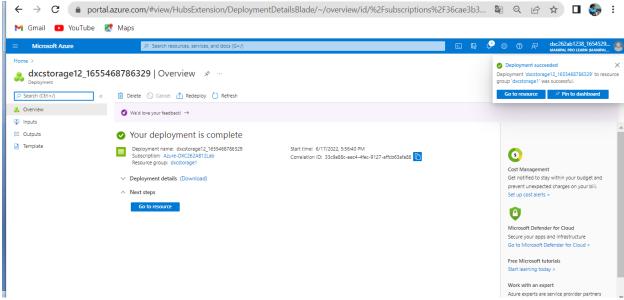


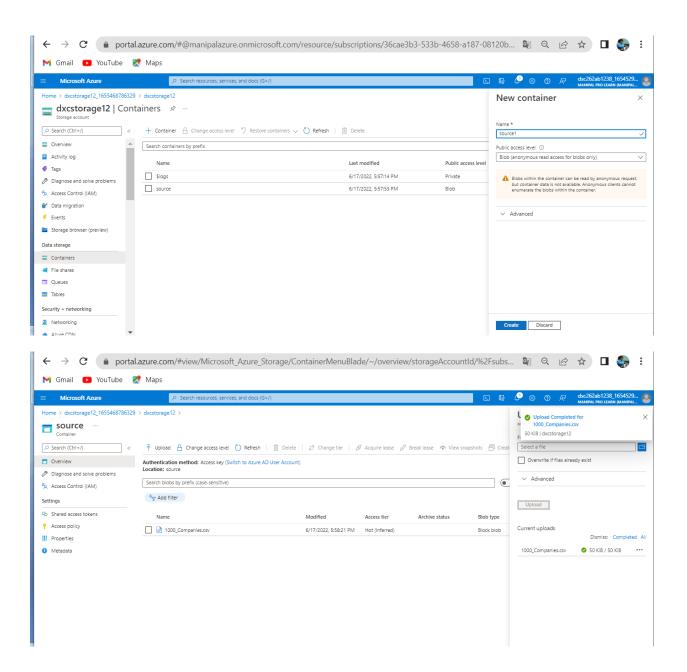


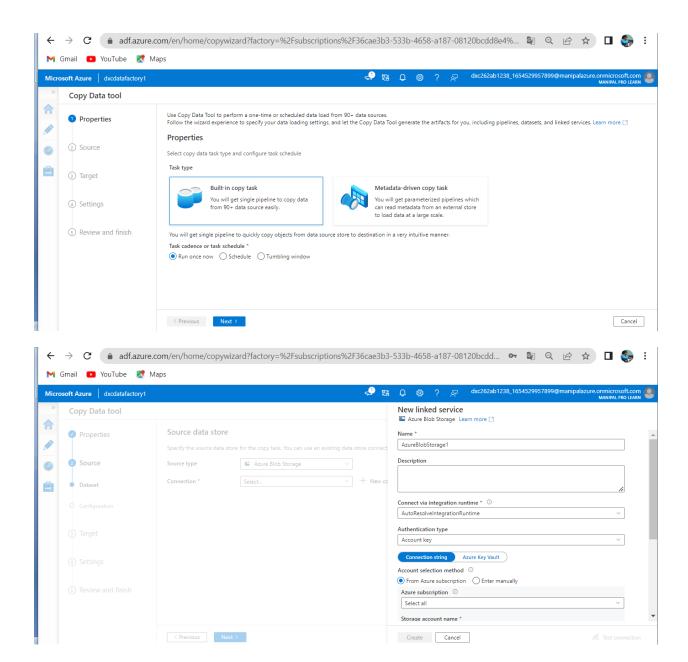












- ✓ By giving the above details we can connect blob storage to data factory.
- ✓ Then by creating pipeline we can import datas in blob storage to data factory.