Lab & Challenge: Cosmos Db Partition, CLI, and SDK

1. Create cosmos container with following spec in the existing db (if you don't have existing db create one)

- Container Name: nutrition-data-container-01
- Partition Key: foodGroup
- Load the data using Azure Data Factory using below link

https://azurecosmosdb.github.io/labs/dotnet/labs/02-load_data_with_adf.html

- You must already have another container loaded with the same dataset as part of lab-03 (In case if you haven't completed that, it's now pre-requite so please go to lab-03 before continuing)
- Within Azure Portal, Query the container with any food group in the where clause against both the containers (repeat 10 times to see the behaviour)
- Examine the query stats – take a note of the differences and similarities, send it back through email.
- Delete the cosmos db account along with all databases and containers.
- ***Challenge: Take a screen shot of the deployment results window of your delete operation and send it through email.***

2. Use CLI and SDKs to create and manage the cosmos db account
    - Use below Microsoft learn document to follow the steps to create new cosmos db account, database, container and sample data

Quickstart: Build a Python app using Azure Cosmos DB SQL API account | Microsoft Docs

Challenge: The above doc contains the instructions to create the cosmos db through azure portal, but in you are required use equivalent CLI commands to provision the Cosmos Db before running the python sample. Take a screen grab of your cosmos db creation steps through CLI and send it through email.

Note: If you are not comfortable using CLI, feel free to follow the instructions as-is.