**Bootcamp Project 5**

**Project Title: Migrating pipelines from ADF to Synapse**

**Problem Statement:**

Develop ADF pipelines (copy activity, foreach loop, look up) and migrate the pipelines, datasets, linked services to Azure Synapse.

**Architecture diagram:**

**A diagram of a computer software

Description automatically generated with medium confidence**

# **Tools & Technologies:**

* Azure Data factory
* Azure Synapse
* Azure SQL
* Azure data lake Gen2
* Databricks
* Fabric

**Create a pipeline to bring multiple tables from Azure SQL to ADLS gen2.**

**Creating pipeline in ADF**

* 1. A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated pipeline ran successfullyA screenshot of a computer

     Description automatically generated A screenshot of a computer

     Description automatically generated **Create a pipeline to clean the data using Dataflows.**

A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generatedto migrate these pipelines in synapse first we need to create linked services and datasets A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generatednow copy the json from ADF and paste it in synapse A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generatedpipelines are migrated from ADF to Synapse and they have ran successfully

Task2

Migrating Databricks notebook to fabric

A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer program

Description automatically generated A screenshot of a computer program

Description automatically generated A screenshot of a computer

Description automatically generatednow download all these 4 notebooks in python formatA screenshot of a computer

Description automatically generated now lets import these downloaded exported ython otebooks to fabricks

My workspace 🡪 import 🡪import notebook A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated