**Boot Camp project-1**

**Data Pipeline for Customer Account Analysis**

*Step 1:*   
Data Ingestion (Backend Storage to Raw (Bronze) Container)

* Created 2 storage accounts, one for Backend team where datasets are stored and one St acc having ADLS RAW-Bronze container.

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A computer screen shot of a computer

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* Created ADF, Linked services, data sets for Backend and Bronze st. acc. Using copy data activity Transferred data from Backend st.acc to Bronze-raw st.acc**.** And also created partition on Bronze according to Datetime format

**@formatDateTime(utcnow(), 'yyyy/MM/dd')**

Name: CopyActivity\_bronze

Type: Copy activity

## I/p- backstd1

## O/p- bronzeraw1

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*Step 2:*  **Databricks Activity (Incremental/Delta Processing)**

Created an App registration

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Key vault with secrets has been created A computer screen shot of a computer

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Scope has been created

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Read the raw-bronze data into data bricks A screenshot of a computer

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Applied Data cleaning logic

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Created Silver container where Cleaned data is stored

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ETL Processing

Data from Silver layer is copied to Gold layer.

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Data is stored in Gold container

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Pipeline for ETL processing is created and executed successfully

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Created an copy activity in ADF for executing Synapse

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Output of synapse is displayed.

FOR BOOT1- sql script

1. Created required External data sources, tables, file formats.

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1. If total balance of all customer id’s are required

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1. If balances of specific Customer Id is required

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For Boot2 SQL script

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