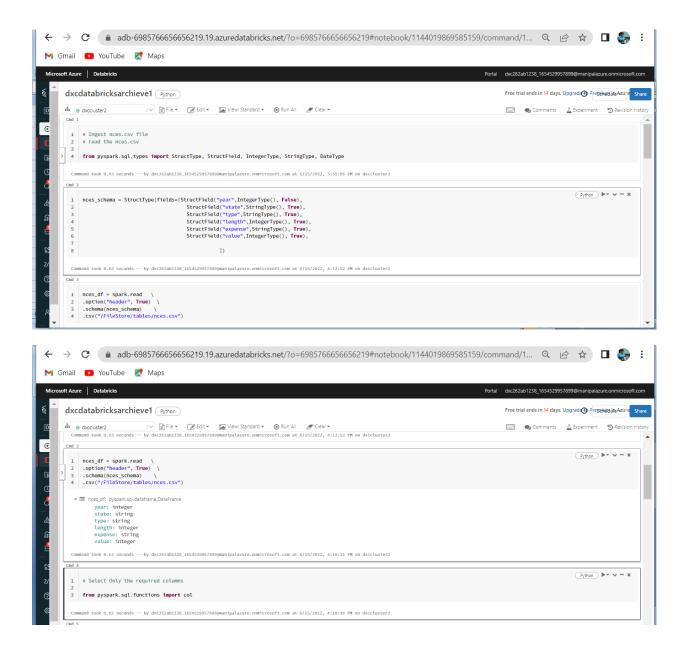
#### NAME:S.MAHALAKSHMI

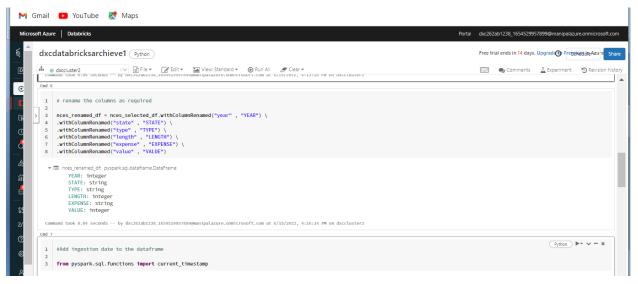
## REGNO:DXC262AB1229

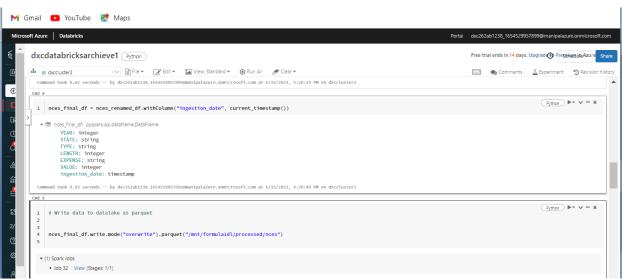
# **DXC-262-ANALYTICS-B12-AZURE**

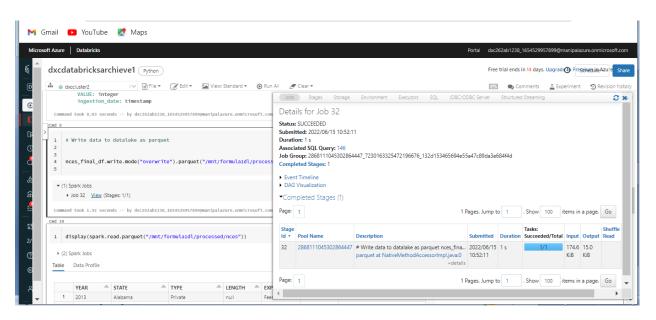
## **ASSIGNMENT 10**

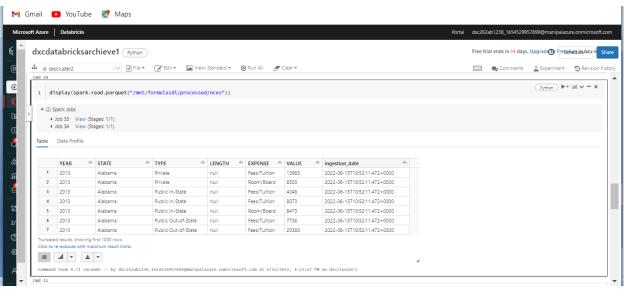
2.Using archive2.zip file - please ingest data into databricks DBFS path & query the data, redesign columns accordingly using dafarame commands - display with notebooks accordingly

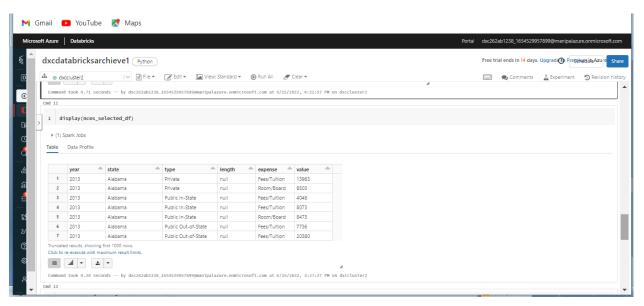


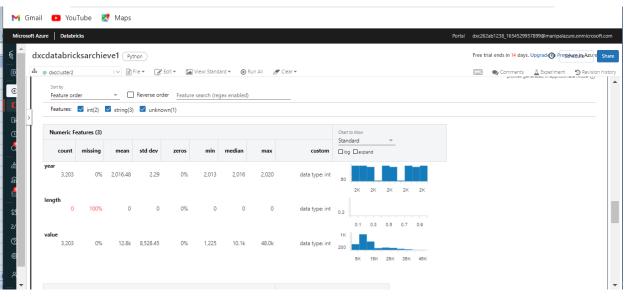


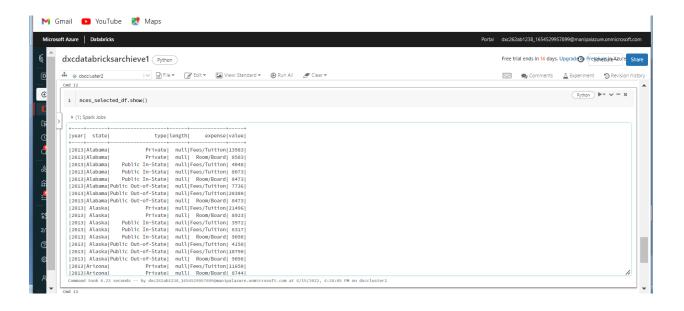




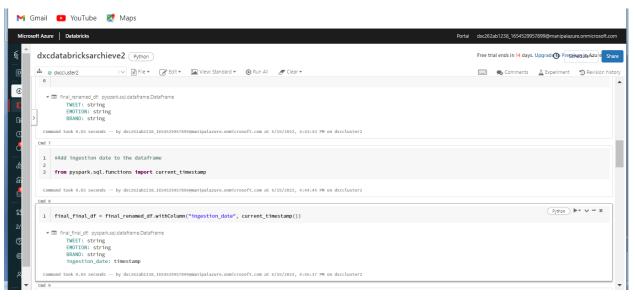


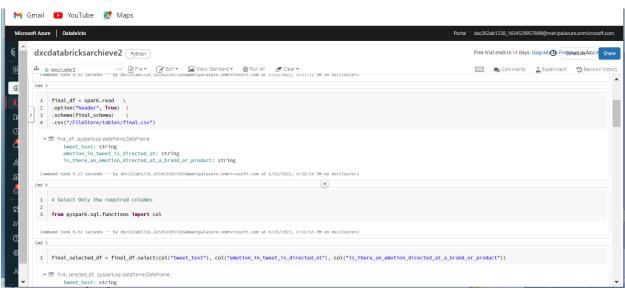


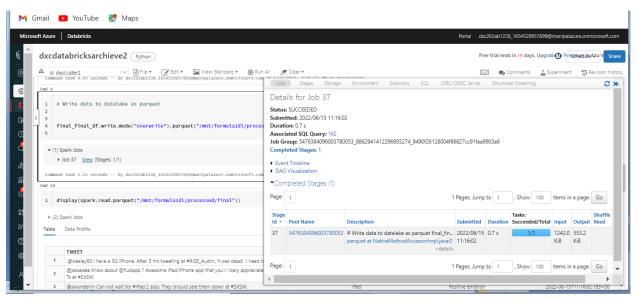


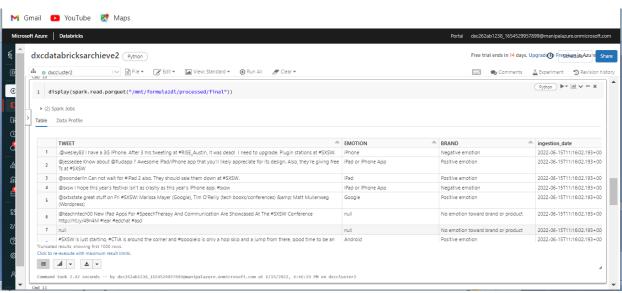


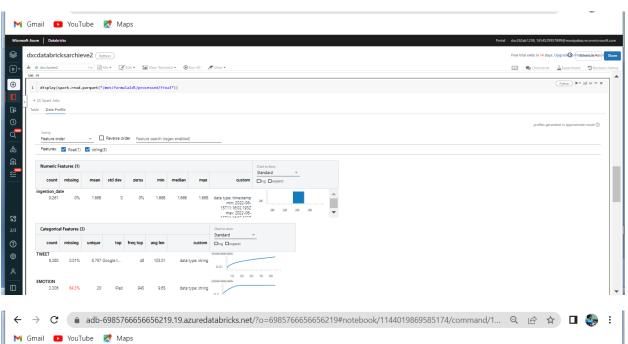
3.Using archive3.zip file - please ingest data into databricks DBFS path & query the data redesign columns accordingly using dafarame commands - display with notebooks accordingly

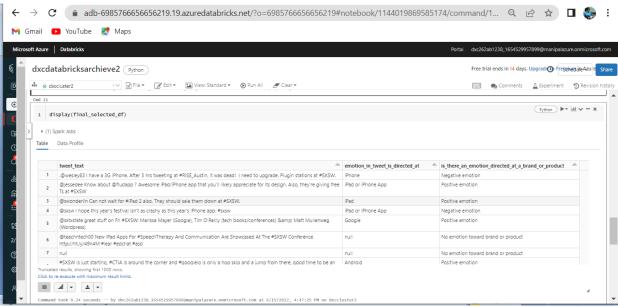


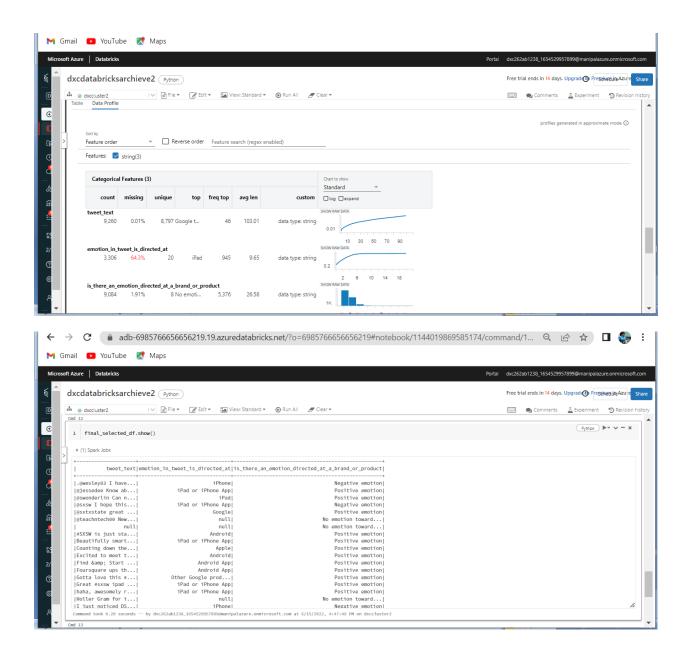




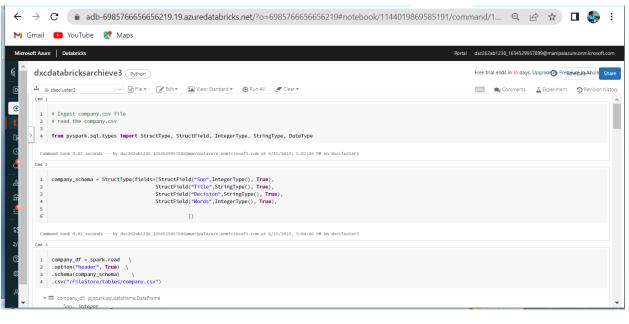


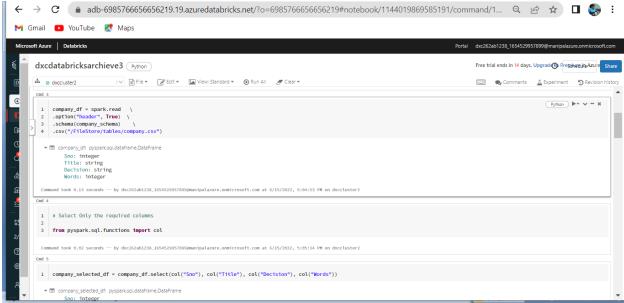


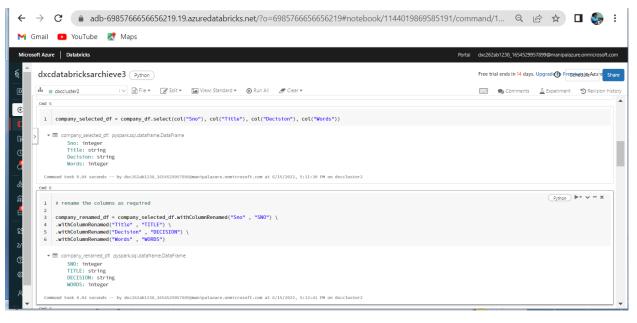


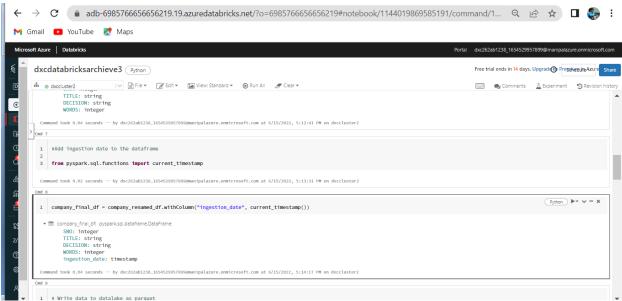


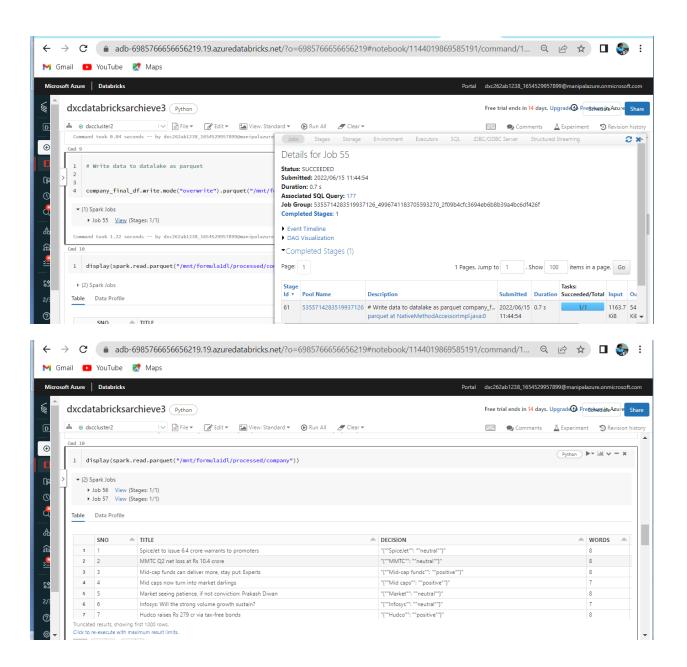
4.Using archive4.zip file - please ingest data into databricks DBFS path & query the data redesign columns accordingly using dafarame commands - display with notebooks accordingly

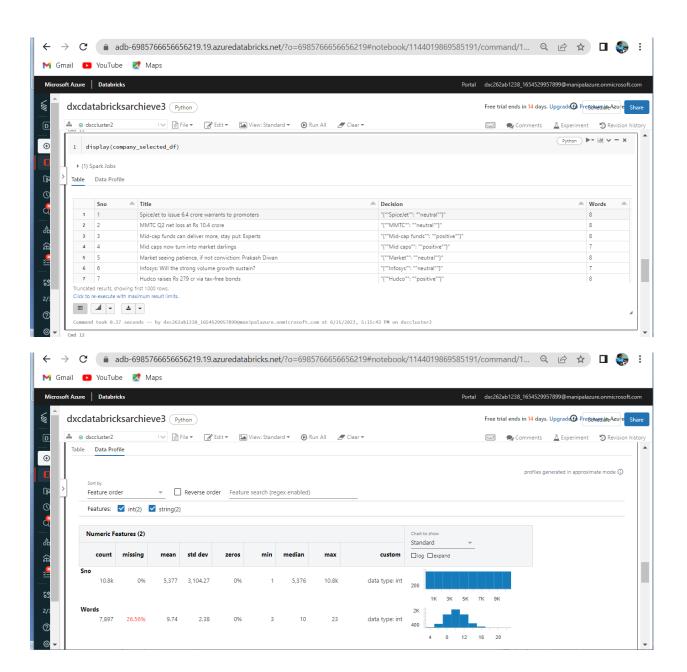


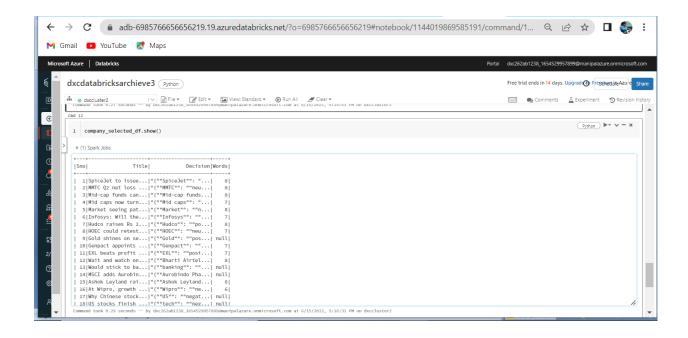




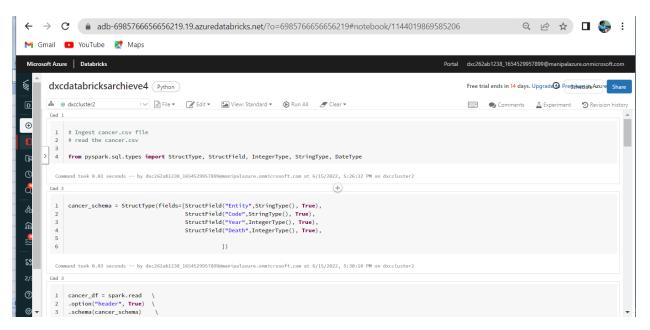


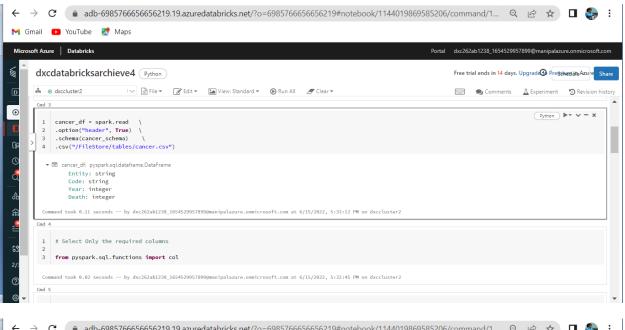


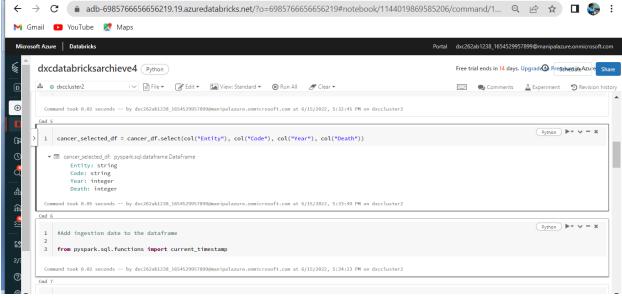


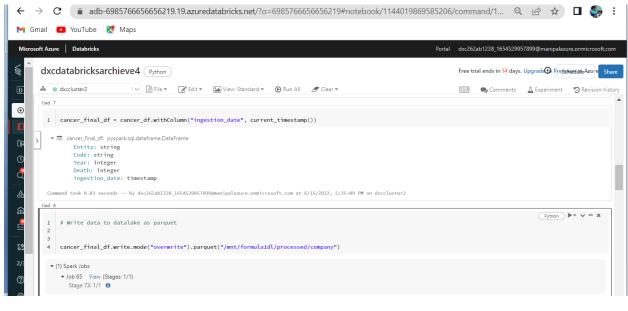


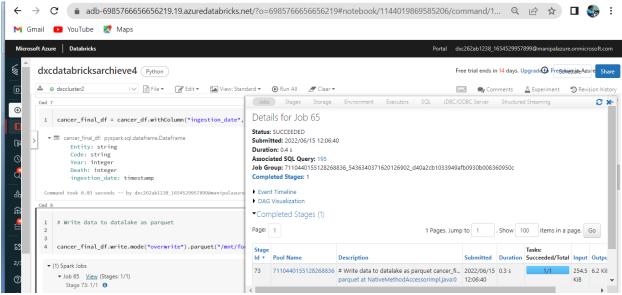
5.Using archive5.zip file - please ingest data into databricks DBFS path & query the data redesign columns accordingly using dafarame commands - display with notebooks accordingly

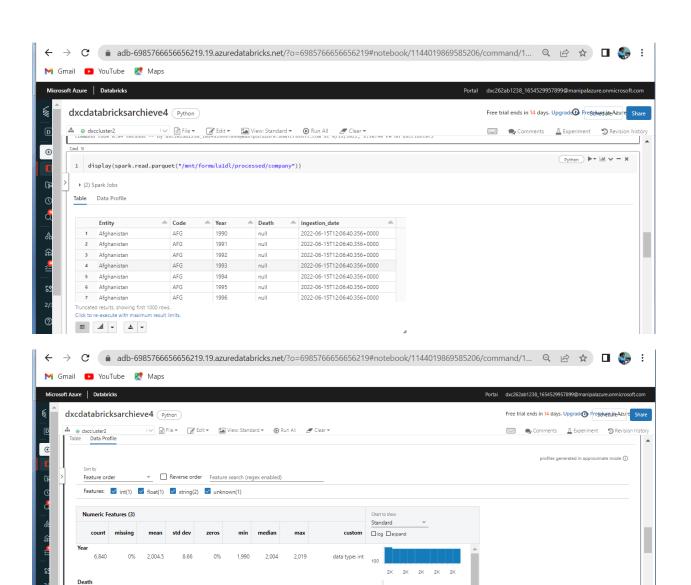












data type: int 0.2

1.66B data type: timestamp min: 2022-06-15T12:06:40.356Z

0.1 0.3 0.5 0.7 0.9

100%

0% 1.66B

ingestion\_date

6.840

0

0

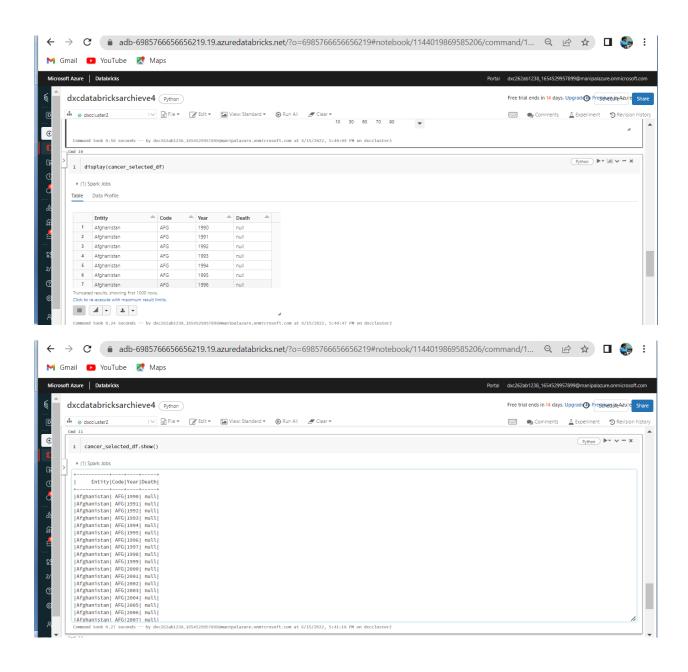
0 0% 1.66B

0%

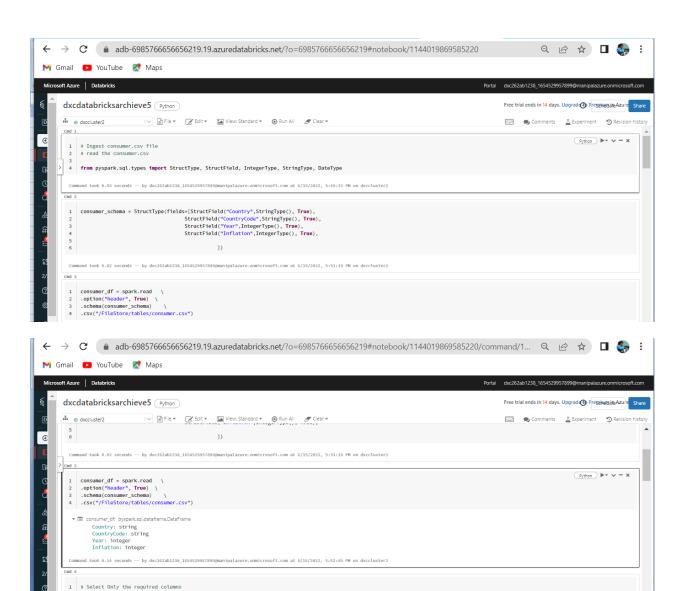
0 0

1.66B

0

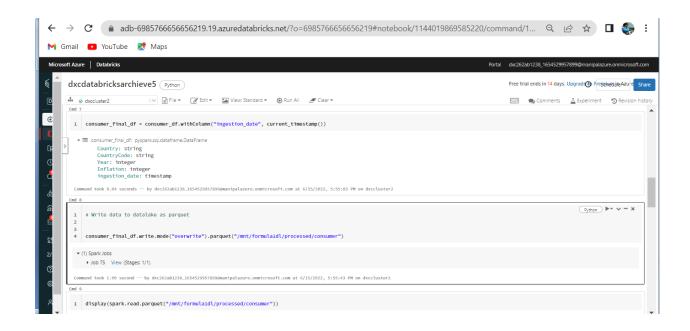


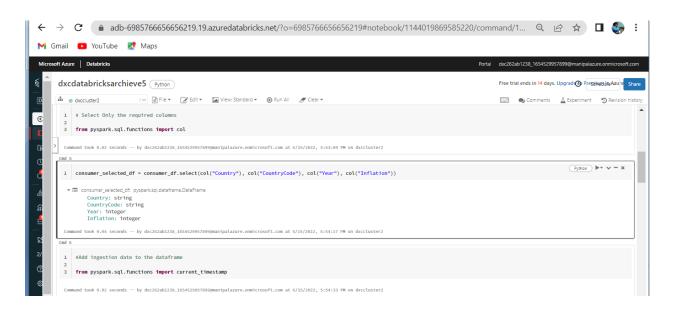
6.Using archive6.zip file - please ingest data into databricks DBFS path & query the data redesign columns accordingly using dafarame commands - display with notebooks accordingly

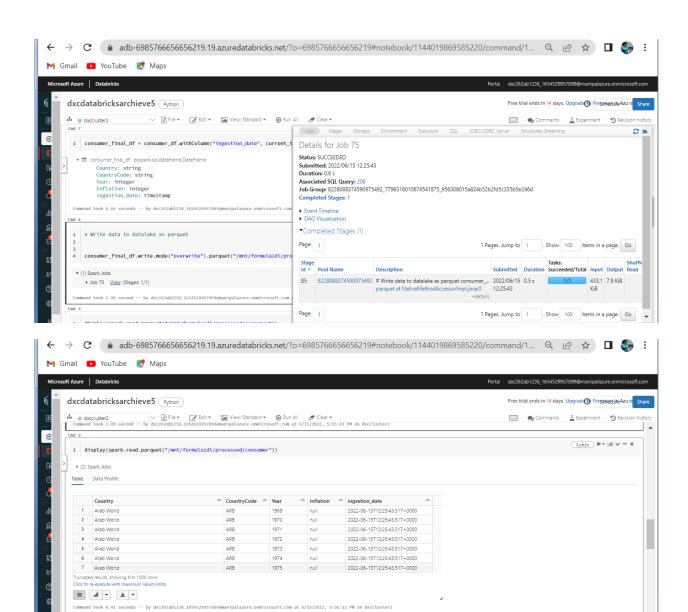


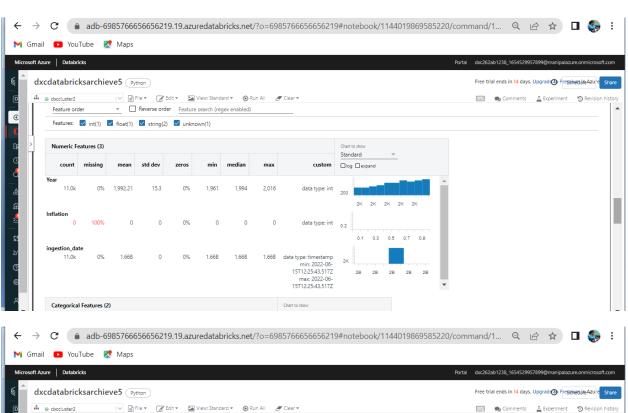
**from** pyspark.sql.functions **import** col

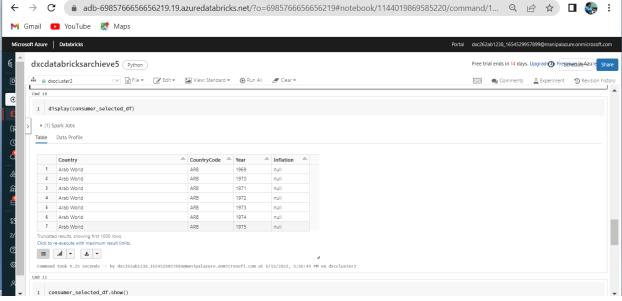
Command took 0.02 seconds -- by dxc262ab1238\_1654529957899@manipalazure.onmicrosoft.com at 6/15/2022, 5:53:09 PM on dxccluster2

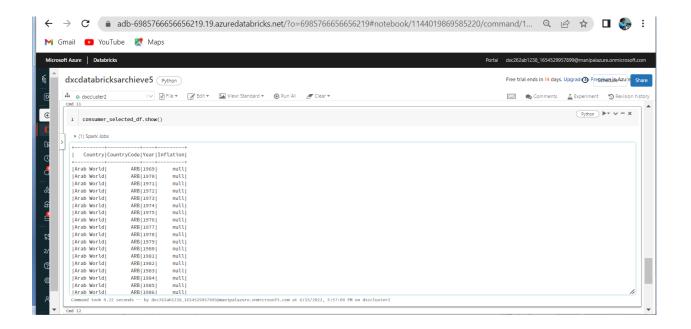












1.Using archive1.zip file - please ingest data into databricks DBFS path & query the data redesign columns accordingly using dafarame commands - display with notebooks accordingly

## Command1:

#Ingest Countrycode.csv file

from pyspark.sql.types import StructType, StructField, Integer Type, StringType, DoubleType

#### Command 2:

```
Countrycode_schema = StructType(fields=[StructField("FIFA", StringType(), False),
```

StructField("dial", IntegerType(), True),

StructField("MARC", StringType(), True),

StructField("FIPS", StringType(), True),])

## Command 3:

Countrycode\_ df = spark.read\

.option("header", True) \

.schema(Countrycode\_ schema) \

.csv("/FileStore/tables/Countrycode.csv")

```
Command 4:
#Select only the required columns
from pyspark.sql. functions import col
Command 5:
Countrycode _selected_df circuit df.select(col("FIFA"), col ("dial"), col("MARC"), col("FIPS"))
Command 6:
#Add ingestion date to the dataframe
from pyspark.sql.functions import current timestamp
Command 7:
Countrycode_final df = Countrycode_df.withColumn("ingestion_date", current_timestamp())
Command 8:
# Write data to datalake as parquet
Countrycode_final_df.write.mode("overwrite").parquet("/mnt/formulaldl/processed/Countrycode
")
Command 9:
display(spark.read.parquet("/mnt/formulaldl/processed/Countrycode"))
Command 10:
display(Countrycode_selected_df)
Command 11:
Countrycode_selected_df.show()
```