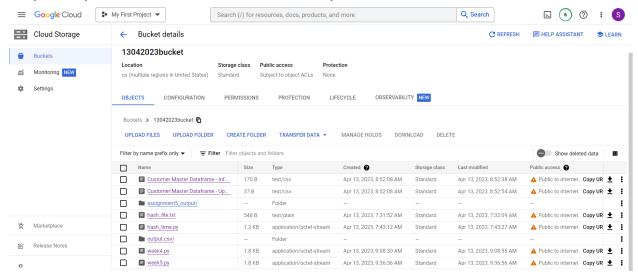
Big Data Graded Assignment 5

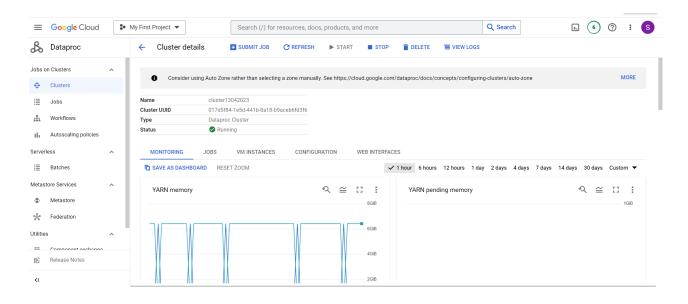
Step 1: Upload all files under bucket with public access



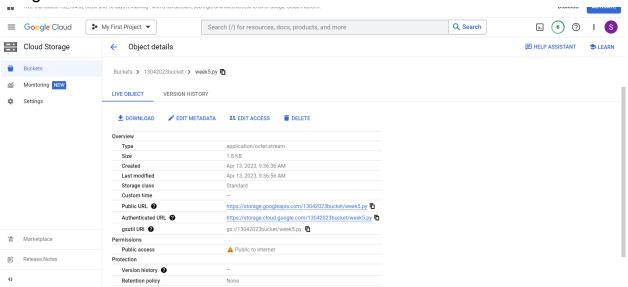
Python Code file

```
from pyspark.sql import SparkSession
from pyspark.sql.functions import current_date,when,isnan,isnull,col,lit from pyspark.sql.types import StringType
spark=SparkSession.builder.appName("ga4").getOrCreate()
customer master updates = spark.read.csv("gs://13042023bucket/Customer Master Dataframe - Updates.csv", header=True, inferSchema=True)
customer_master_data .createOrReplaceTempView("customer_data_tb")
customer_master_updates.createOrReplaceTempView("updates_tb")
OldDF = spark.sql("SELECT c.SNo,c.Name,c.DOB,c.validity_start,date_format(current_date(),'dd-MM-yyyyy') as validity_end FROM customer_data_tb c INN
UpdmatchedDF = spark.sql("SELECT c.SNo,c.Name,u.updated_DOB as DOB,date_format(current_date(),'dd-MM-yyyy') as validity_start,c.validity_end FROM
UpdmatchedDF.show()
nonmatchedDF.show()
oldDF .createOrReplaceTempView("oldmatched_tb")
UpdmatchedDF.createOrReplaceTempView("updmatched_tb")
nonmatchedDF.createOrReplaceTempView("nonmatched_tb")
finalDF=spark.sql("select * from oldmatched tb union all select * from updmatched tb union all select * from nonmatched tb")
finalDF.show()
finalDF.write.format("csv").option("header",True).mode("overwrite").save("gs://13042023bucket/assignment5 output")
```

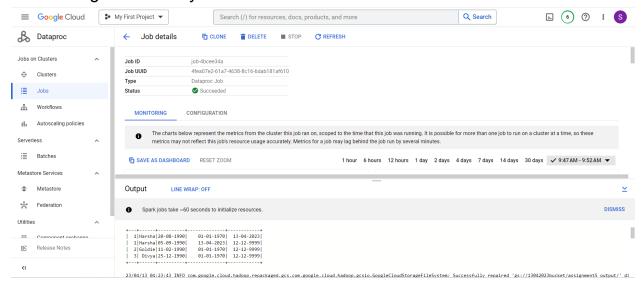
Create a cluster which is running



. Get gsutil url from file



Job running successfully



Job with correct output

