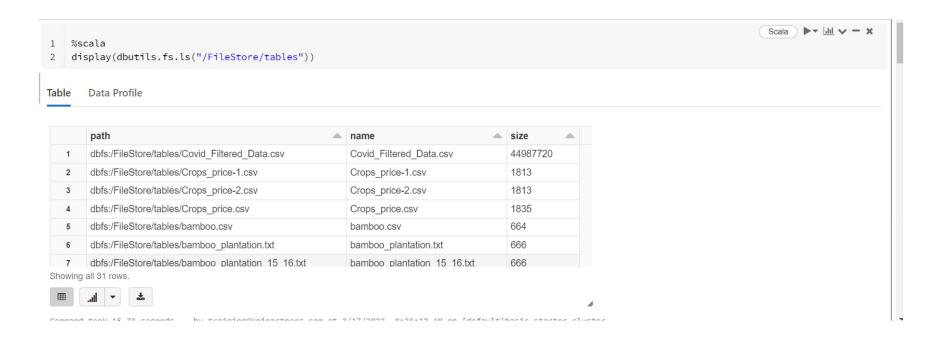
COVID DATA ON DATABRICKS - SCALA SPARK

LISTING OUT THE FILES

%scala

display(dbutils.fs.ls("/FileStore/tables"))



READING THE CSV FILE

%scala

val df1 = spark.read.csv("dbfs:/FileStore/tables/Covid_Filtered_Data.csv")

CREATING TABLE FOR DATAFRAME

%scala

df1.createOrReplaceTempView("covid")

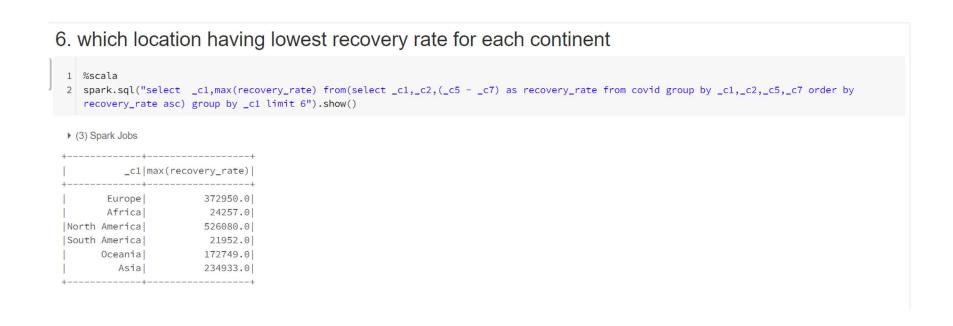
```
1 %scala
2 df1.createOrReplaceTempView("covid")
```

SPARK –SQL QUERIES

which location having lowest recovery rate for each continent

%scala

spark.sql("select _c1,max(recovery_rate) from(select _c1,_c2,(_c5 - _c7) as recovery_rate from covid group by _c1,_c2,_c5,_c7 order by recovery_rate asc) group by _c1 limit 6").show()



Countries with max cardiovasc_death_rate and diabetes_prevalence greater than 10

%scala

spark.sql("select _c2,max(_c55),max(_c56) from covid where _c55 >10 and _c56 >10 group by _c2").show()

```
7. Countries with max cardiovasc_death_rate and diabetes_prevalence greater than 10
 2 spark.sql("select _c2,max(_c55),max(_c56) from covid where _c55 >10 and _c56 >10 group by _c2").show()
 ▶ (2) Spark Jobs
  _c2|max(_c55)|max(_c56)|
 |Antigua and Barbuda| 191.511|
            Bahrain | 151.689|
                               16.52
           Barbados
                     170.05
                               13.57
            Belize
                    176.957
                               17.11
            Bermuda
                    139.547
                                13
            Brunei
                    201.285
                               12.79
            Comoros
                    261.516
                               11.88
           Dominica
                    227.376
                               11.62
             Egypt| 525.432|
                               17.31
              Fiji|
                     412.82
                               14.49
            Guyanal
                    373 1591
```

Which location has highest number of vaccinated people in each continent

%scala

spark.sql("select _c1,max(vaccinated_people) from (select distinct _c1,_c2,max(_c34) as vaccinated_people from covid group by _c1,_c2 order by vaccinated_people desc) group by _c1 limit 7").show()

