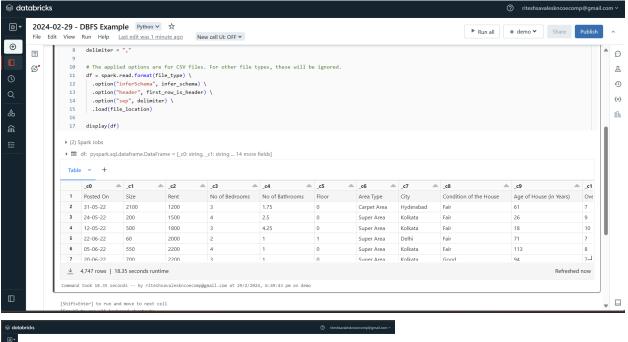
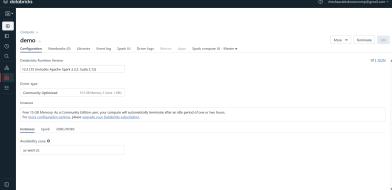
## 1. READ THE DATASET IN DATABRICKS COMMUNITY





## **Cluster**

# 2. HOW MANY TYPES OF MODES WE HAVE IN SPARK?

#### Fail fast mode

In Apache Spark, failfast is an option that can be set to indicate whether Spark should fail immediately upon encountering a corrupted record while reading data from a file. When failfast is enabled, Spark stops the job and throws an error as soon as it encounters a malformed record, providing early detection of data issue

## val df = spark.read

- .option("mode", "FAILFAST")
- .option("inferSchema", "true") // Optionally, infer the schema automatically
- .csv("path/to/your/file.csv")

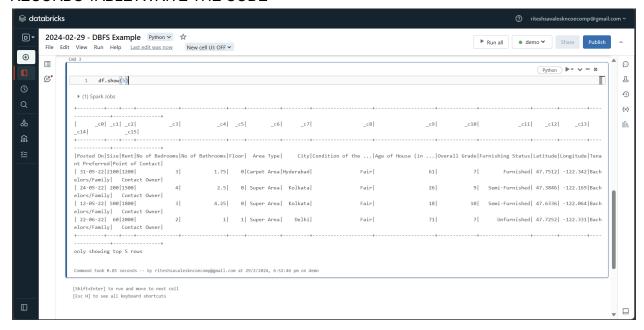
#### 3. WHAT IS CLUSTERING SPARK?

In Spark, a "cluster" is a group of interconnected computers (nodes) that collaboratively process data and run Spark applications. It manages resources, ensures fault tolerance, enables parallel processing, and scales dynamically. A "table" in Spark refers to structured data organized in rows and columns, typically represented using DataFrames or Datasets. Tables have schemas, support querying, manipulation, and interoperability with various data sources.

#### 4. WHAT IS TABLE IN SPARK?

In Apache Spark, a "table" refers to structured data organized into rows and columns, similar to tables in relational databases. Tables are typically represented using DataFrames or Datasets, providing an abstraction for working with structured data. They have defined schemas, enabling efficient querying, transformation, and analysis using SQL queries or DataFrame operations. Tables in Spark support interoperability with various data sources and formats.

# 5. WHAT WOULD YOU DO IF YOU WANT TO SHOW THE HEADER WHILE SHOWING UP RECORDS TABLE?WRITE THE CODE



## 6. WHAT IS COUNT?PERFORM IN SPARK.



# 7. WHAT IS GROUP BY? PERFORM IN SPARK.

