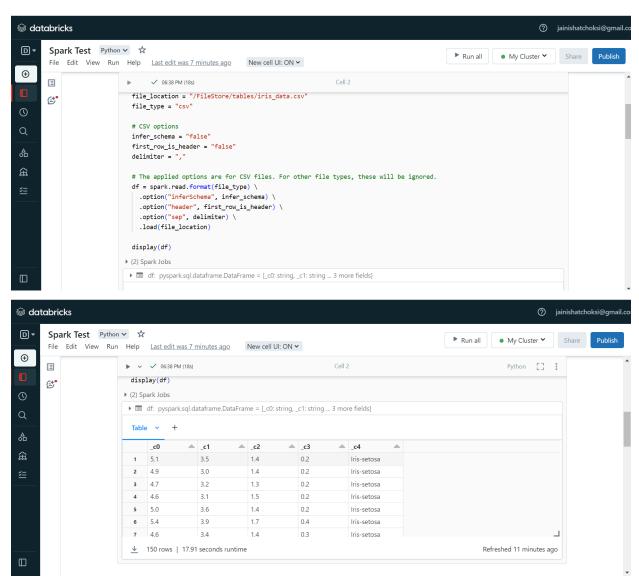
1. Read the dataset in databricks community.



2. How many types of modes we have in spark?

In Spark, there are 3 modes:

Local Mode: Spark runs on a single machine with a single JVM.Loca Mode is suitable for development, testing and small scale data.

Standalone Mode: Spark operates in a standalone cluster manage that manages the allocation of resources. It is relatively easy to setup, configure. Suitable for small to medium sized clusters.

Cluster Mode: Spark application run on a cluster managed by external cluster managers like Apache Hadoop, Kubernetes. Suitable for Resource allocation, Scheduling and monitoring of Spark application.

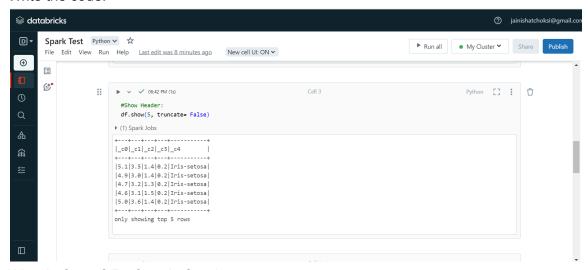
3. What is Cluster in Spark?

A Cluster in Spark refers to a group of computing resources that work together to process and analyze large datasets.

4. What is Table in Spark?

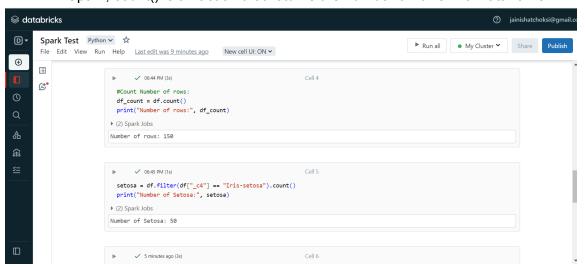
In Spark, a table is a structured collection of data organized into rows and columns. Tables can be created from various ways: Dataframes, RDD, external databases.

5. What would you do if you want to show the header while showing up 5 records of table? Write the code.



6. What is Count? Perform in Spark.

In Spark, count() is an action that returns the number of rows in a Dataframe.



7. What is GroupBy? Perform in Spark.

In Spark, groupBy() is a transformation that groups the Dataframe rows based on the specified columns.

