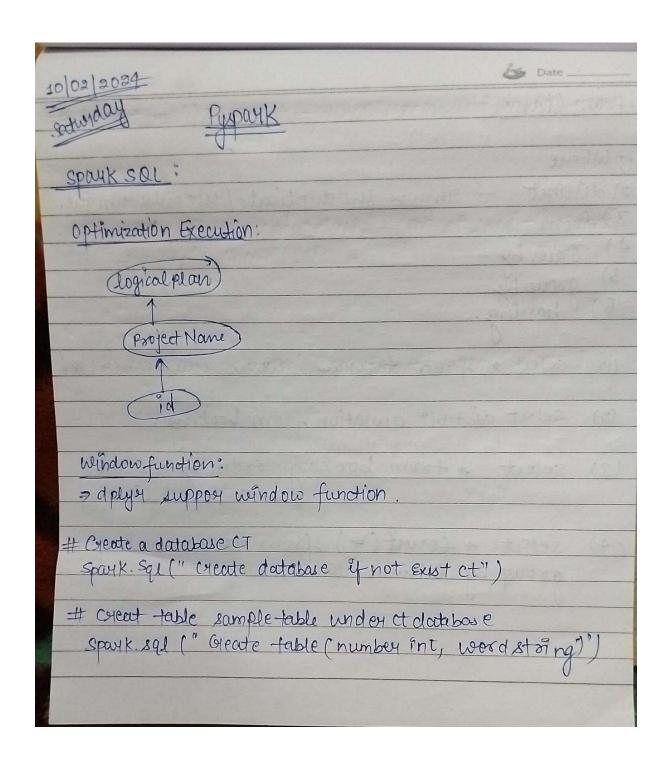
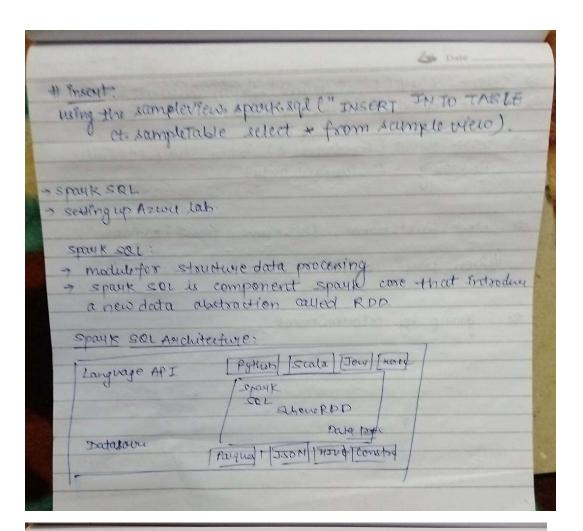
Name: Abhishek Kanoujia

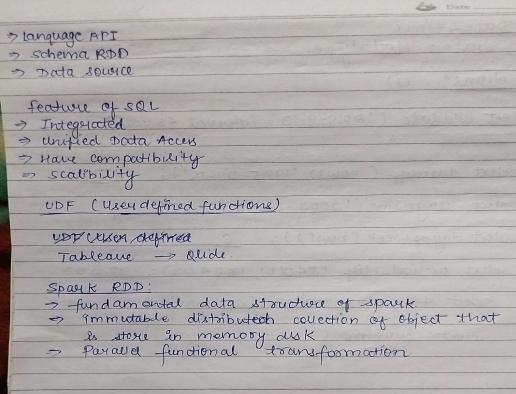
DATA ENGINEERING BATCH 1

DAY 16 ASSIGNMENT

Class hand written notes:-







- > Automatically rebuild Anchitecure
- > RDD contains any type python; Java, Scala, including cuer defined clauses.
- of formally on RDD is seed only
- > RDD le faut tolerare

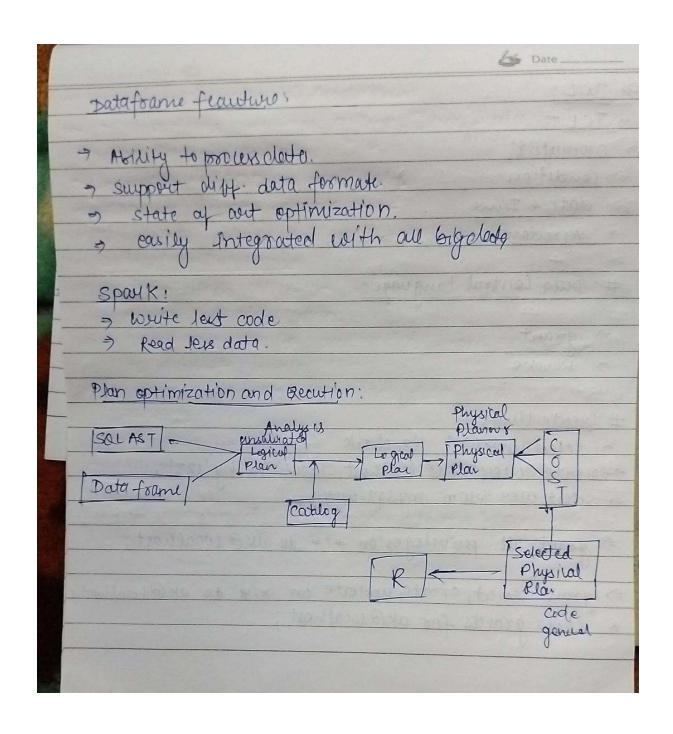
Dataset 4 Dataframe

- *) A distribution collection of data which organised into name and column.
- => data frame ean be constructed from an armay
- of different source.

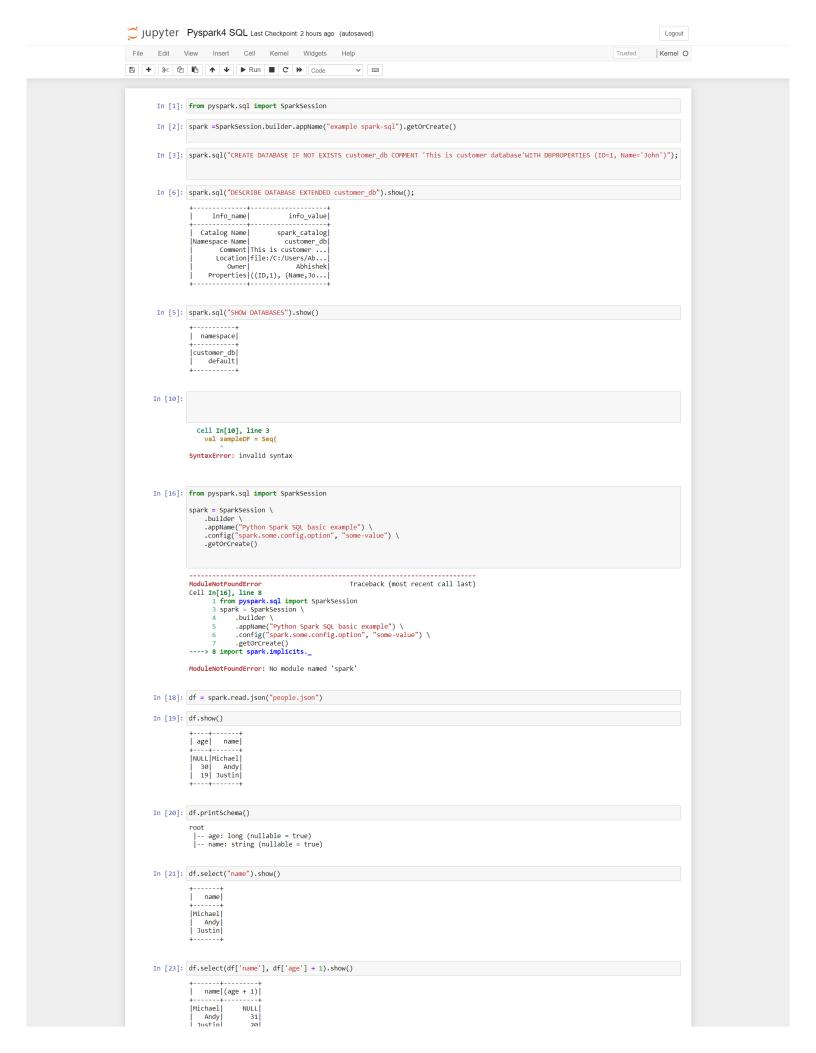
 > such as five table, structured data field, extended data bases.

Dataframe:

Dota is organised into named column like table in yelocation dotabase



Hands on Spark SQL:-



```
+----+
In [24]: df.filter(df['age'] > 21).show()
           +---+
|age|name|
+---+
           | 30|Andy|
+---+
In [26]: df.groupBy("age").count().show()
          +---+
| age|count|
+---+
| 19| 1
|NULL| 1
| 30| 1
In [27]: df.createOrReplaceTempView("people")
In [28]: sqlDF = spark.sql("SELECT * FROM people")
sqlDF.show()
          In [29]: df.createGlobalTempView("people")
In [30]: spark.sql("SELECT * FROM global_temp.people").show()
           +---+---+
| age| name|
+---+
           |NULL|Michael|
           | 30| Andy|
| 19| Justin|
+---+
In [32]: spark.newSession().sql("SELECT * FROM global_temp.people").show()
           +---+
| age| name|
+---+
           |NULL|Michael|
| 30| Andy|
| 19| Justin|
In [ ]:
```