Lab3: Spark SQL

- do the code in google colab
- before u download the code, delete the section of uploading the file and also the pip install, this one:

```
! pip install pyspark
import pandas as pd
from google.colab import files
uploaded = files.upload()
```

 And then change the path of the csv file to its placement in hdfs (since we will execute the code in spark)

```
df = spark.read.csv("hdfs://hadoop-master:9000/input/ngram.csv", he
ader=True, schema=schema,sep='\t').limit(100)
```

ightarrow Note that the path of hdfs it depends on your configuration so to change it depends on yours , try to write this command cat

\$HADOOP_HOME/etc/hadoop/core-site.xml you will get somthing like:

• then copy the ngram.csv to hdfs and the code.py to the locall and then run your code

```
spark-submit --master spark://b524f35852c2:7077 lab3_bigdata.py >
output_lab3.txt
```

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 If your code take a long time on the execution, you can do a limit of uploading the dataset in ur code like this

df = spark.read.csv("hdfs://hadoop-master:9000/input/ngram.csv", he
ader=True, schema=schema,sep='\t').limit(100)

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