Name: Abhishek Kanoujia

DATA ENGINEERING BATCH 1

DAY 12 ASSIGNMENT

Installing Required Softwares: -

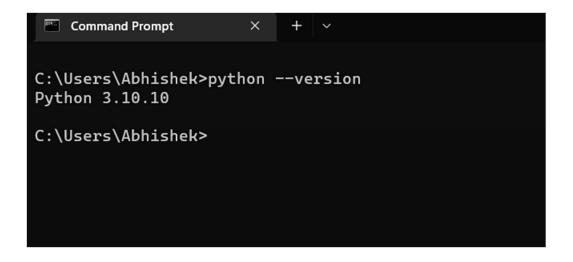
Java: As java was already installed

```
Microsoft Windows [Version 10.0.22631.3085]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Abhishek>java --version
java 21.0.2 2024-01-16 LTS
Java(TM) SE Runtime Environment (build 21.0.2+13-LTS-58)
Java HotSpot(TM) 64-Bit Server VM (build 21.0.2+13-LTS-58, mixed mode, sharing)

C:\Users\Abhishek>
```

- Python: Python was also installed



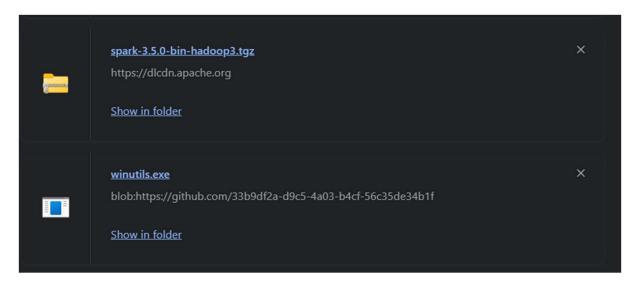
Apache PySpark:

From URL: https://www.apache.org/dyn/closer.lua/spark/spark-3.5.0/spark-3.5.0-bin-hadoop3.tgz

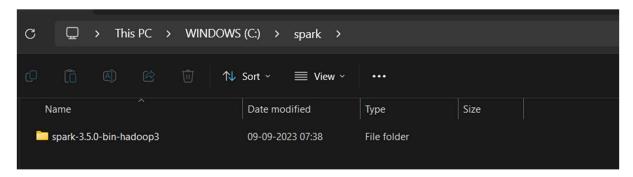
Downloaded the zip file:

For hadoop:

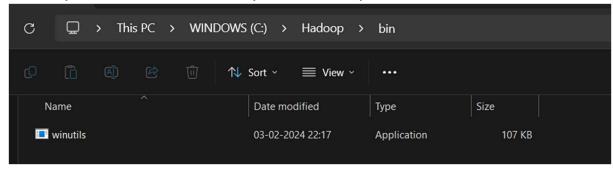
Downloaded the winutils.exe file:



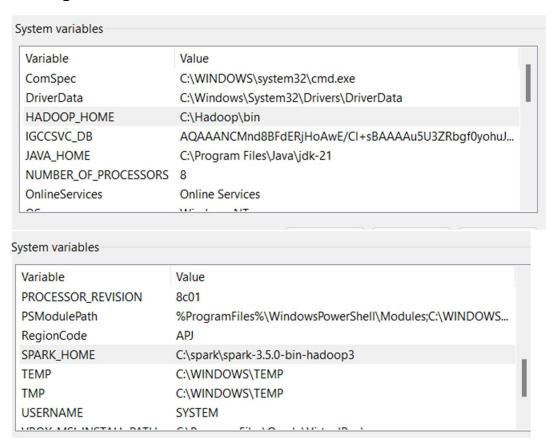
Then extracted the tbz file in my C:/Spark/



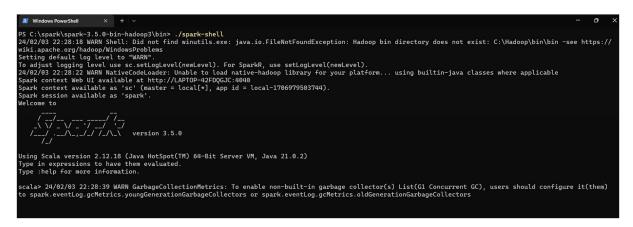
hadoop file created directory: C:/Hadoop/bin:



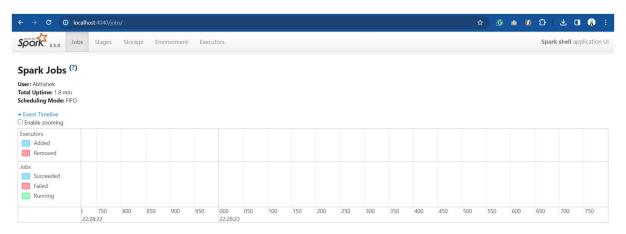
Setting environment variables:

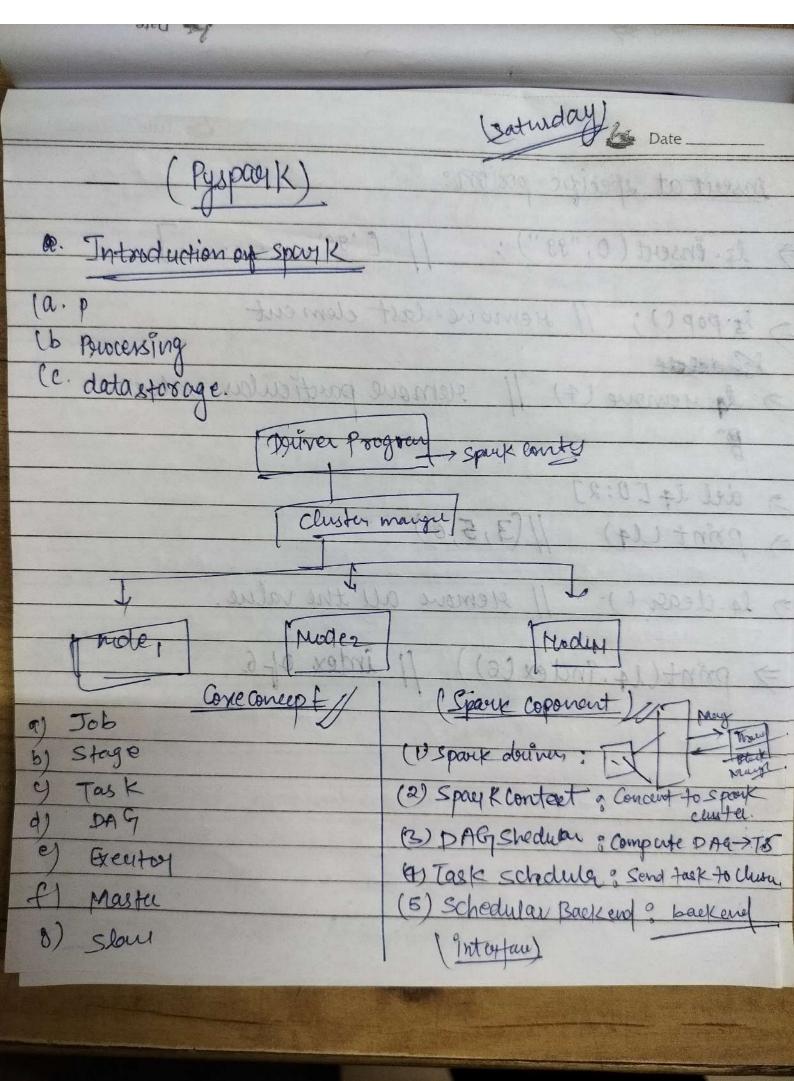


Then on Powershell started shell service:



URL: http://localhost:4040/jobs/:





sperge cluster > different auston Manger shoot at may Salt Pythin Store in Christer 000GB of data Streem deta Banking dota Apache spark streaming) Spark component! 1) spark driver Spork context: Reprossent connection to Spork Cluster, Oreate RDD DAG Schedula: Compute DAG sent to task schedular. Task Schedulow: send task to Cluston 5) Schedulor Backard. Backerd for Schedular.

