PySpark Installation steps:

- 1) First Step is to download the spark package from sparks official website the file comes with the extension .tgz
- 2) After that we need to install the java and python in our laptops if they are not present in our system
- 3) After that we need to download the winutils.exe file for the latest version of Hadoop
- 4) Then we need to set some environmental variables for java, spark and Hadoop in our local systems

%SPARK_HOME%\bin
%HADDOP_HOME%\bin
%SPARK_HOME%\python
%PYTHONPATH%
C:\spark\spark-3.5.0-bin-hadoop3\python\lib\py4j-0.10.9.7-src.zip

5) Also we need to set the system variables as well as follows

SPARK_HOME C:\spark\spark-3.5.0-bin-hadoop3

HADDOP_HOME C:\hadoop

JAVA_HOME C:\Program Files\Java\jdk-21

6) Now to check PySpark is installed we need to type pyspark command in cmd then we will get the output as follows

7) If we go on http://localhost:4040/jobs/ we will get the dashboard as follows

