**Install Scala and Apache framework on local system.(UBUNTU O.S)**

**Installation steps:**

**Java required for Scala**

1. sudo apt-get install default-jdk
2. sudo apt-get install scala
3. java --version

**Apache Installation:**

**1) wget https://archive.apache.org/dist/spark/spark-3.0.1/spark-3.0.1-bin-hadoop2.7.tgz**

**2) Extract the file in downloads section**

**tar xvf spark-3.0.1-bin-hadoop2.7.tgz**

**3) change to super user either by using only su command or**

**sudo su -**

**4) After that make one folder in /opt directory of spark using**

**mkdir -p */opt/*spark**

**5) then the extracted folder from download path to /opt/spark/**

**sudo mv /home/dl/Downloads/spark-3.0.1-bin-hadoop2.7 /opt/spark/**

**6) on terminal execute the command**

**nano ~/.bashrc**

**7) Append the following command in file, then save and exit**

**export SPARK\_HOME=/opt/spark**

**export PATH=$PATH:$SPARK\_HOME/bin**

**7) Then execute the command**

**source ~/.bashrc**

**8) And finally**

**spark-shell**