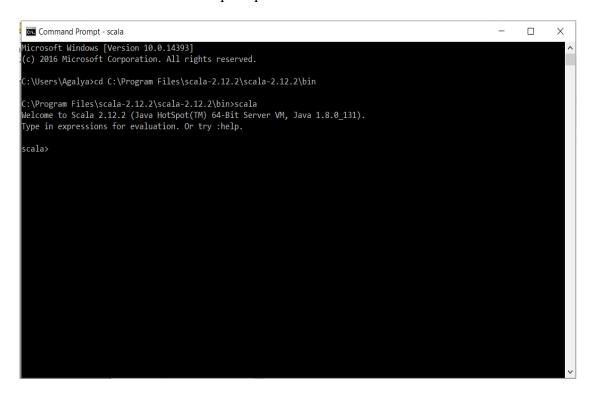
INSTALLING SPARK IN WINDOWS

- 1. **Install Scala:** Download Scala from the link: https://www.scalalang.org/download/2.11.8.html
 - a. Set environmental variables:
 - i. User variable:
 - Variable: SCALA HOME;
 - Value: C:\Program Files\scala-2.12.2\scala
 - ii. System variable:
 - Variable: PATH
 - Value: C:\Program Files\scala-2.12.2\scala\bin

b.Check in on command prompt



- 2. **Install Java 8:** Download Java from the link: https://java.com/en/download environmental variables:
 - i. User variable:
 - Variable: JAVA HOME

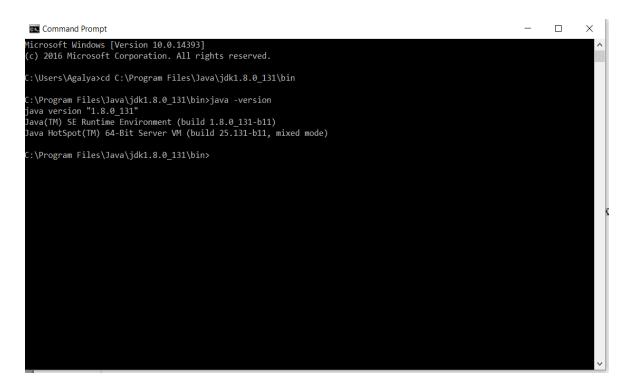
• Value: C:\Program Files\Java\jdk1.8.0 91

ii. System variable:

• Variable: PATH

• Value: C:\Program Files\Java\jdk1.8.0 91\bin

b. Check the cmd:



- **3. Install Eclipse** Mars. Download it from the link: https://eclipse.org/downloads and extract it into C drive.
 - a. Set environmental variables:
 - i. User variable:

• Variable: ECLIPSE HOME

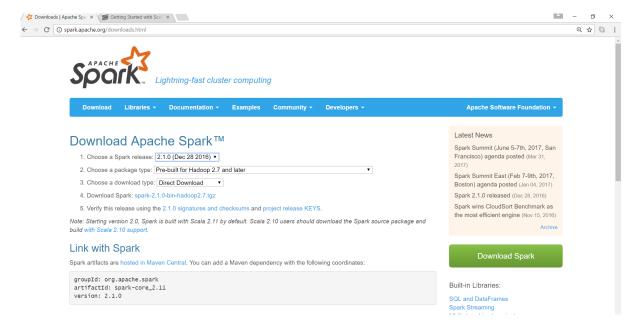
• Value: C:\eclipse

ii. System variable:

• Variable: PATH

• Value: C:\eclipse \bin

4.Install Spark 1.6.1. Download it from the following link: http://spark.apache.org/downloads.html and extract it into C drive, such as C:\spark.



- a. Set environmental variables:
 - i. User variable:

• Variable: SPARK HOME

• Value: C:\spark-2.1.0-bin-hadoop2.7

ii. System variable:

• Variable: C:\spark-2.1.0-bin-hadoop2.7\bin

5.Download Windows Utilities: Download it from the link:

https://github.com/steveloughran/winutils/blob/master/hadoop-2.7.1/bin/winutils.exe And paste it in C:\spark\spark-1.7.1-bin-hadoop2.7\bin

6.Got an error when execute in the command prompt as below:

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Agalya>cd c:\
c:\vcd spark
c:\spark>spark-shell
'cmd' is not recognized as an internal or external command, operable program or batch file.

c:\spark>pyspark
'cmd' is not recognized as an internal or external command, operable program or batch file.

c:\spark>pyspark
'cmd' is not recognized as an internal or external command, operable program or batch file.
```

7. Set path in environmental variable as

I. System Variable:

PATH: "C:\Windows\system32"

And check in command propmt:

```
Somework months of the provides cann, therefit and prompte (Sperkies sion, scala 100) at org. apache, sperk, sq. (), depreced, on sharedstart (Sperkies sion, scala 100) at org. apache, sperk, sq. (), therefore), SecsionState, control (SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at org. apache, sperk, sq. (), thread, SecsionState, scala 177) at sq. (), sq. (),
```

8. Execute Spark on cmd, see below:

9. Install Maven 3.3. Download Apache-Maven-3.3.9 from the link:

https://maven.apache.org/download.cgi And extract it into C drive, such as C:\apache-maven-3.3.9

- a. Set Environmental variables:
 - i. User variable

• Variable: MAVEN_HOME

• Value: D:\apache-maven-3.3.9

ii. System variable

• Variable: Path

• Value: C:\apache-maven-3.3.9\bin

b. Check on cmd, see below



10.Connect sparkR in command prompt.

a. set the path in command prompt: "C:\Program Files\R\R-3.3.1\bin\x64" and run "sparkR" in cmd: