## **Spark Local Installation**

## **Installing java 8**

https://www.oracle.com/in/java/technologies/javase/javase8-archive-downloads.html

To verify the installation: java –version

## **Installing Scala**

https://www.scala-lang.org/download/2.13.11.html

To verify the installation: scala -version

## **Installing Apache Spark**

https://spark.apache.org/downloads.html

To verify the downloaded file use the command

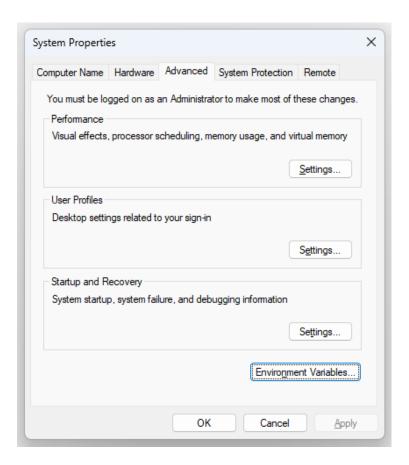
Match the output given by the above code with the value given under checksum in the downloads page After downloading use the following commands in PowerShell:

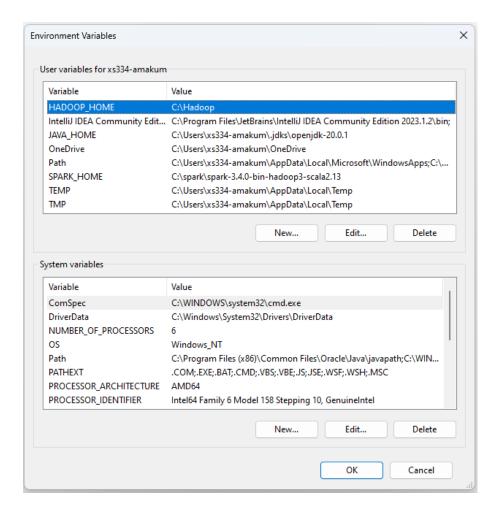
Step 1: cd \

Step 2: mkdir spark

Step 3: Now extract the downloaded spark (.tgz file) in the spark directory

- Step 4: Move to the directory containing the extracted file
- Step 5: Download winutils.exe from : <a href="https://github.com/cdarlint/winutils">https://github.com/cdarlint/winutils</a>
- Step 6: Set the environment variables like **HADOOP\_HOME**, **JAVA\_HOME**, **SPARK\_HOME**, etc.





Step 7: Set the path variables

Step 8: Finally, to run spark, go to the directory containing the extracted spark file and then enter **spark-shell** 

To stop the spark-shell enter **:quit**