**SPARK Installation**

Step 1: Download the latest Java Development Kit that matches as per the system config. (32-bit vs 64-bit)

Step 2: Go to apache.spark.org and download a pre-built version of Spark (pre-built for Hadoop 2.7 and Later) and preferably Spark 2.0 or later.

Step 3: Download winutils.exe in order to make sure that Hadoop works correctly on computer for Windows.

Step 4: Go to the downloaded jdk file and run the installation program’

Step 5: Extract the downloaded spark-2.0.2-bin-hadoop2.7-tar.gz file.

Step 6: Once the folde is created, go to C drive and create a new folder called **Spark** and copy and paste the contents of the unzipped spark-2.0.2-bin-hadoop2.7-tar.gz file to this new Spark folder..

Step 7: Create a new folder under the C drive called **winutils**. Then inside of this folder create a new folder called **bin**.

Step 8: Edit the  **Environment Variables**

Create the following variables (Jdk may differ)

Variable name: SPARK\_HOME

Variable value: C:\Spark

Variable name: JAVA\_HOME

Variable value: C:\Program Files\Java\jdk1.8.0\_101

Variable name: HADOOP\_HOME

Variable value: C:\winutils

Step 9: Then under User Variables a variable called **PATH** that is already there. Select it and click Edit

Step 10: Edit the PATH in the user variable as follows

**%SPARK\_HOME%\bin**

Then repeat it again and add:

**%JAVA\_HOME%\bin**

**Testing: Type:**

**spark-shell**

Spark Shell will be displayed. Type **:q** to exit out of this.