1. INSTALLATION OF HADOOP
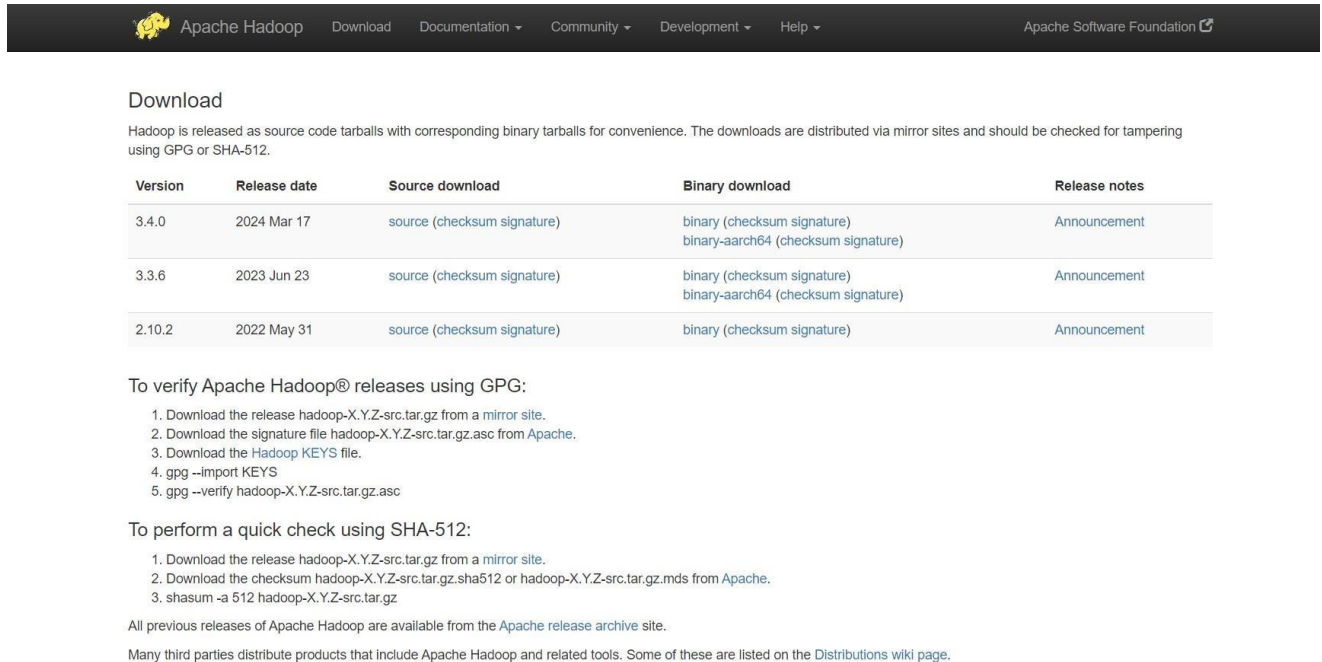
a) Install Apache Hadoop

Download the latest version of Apache Hadoop from official website.

b) Setting Up Environment Variables:

Go to edit environment variables, and select environment variables to set up the environment variables
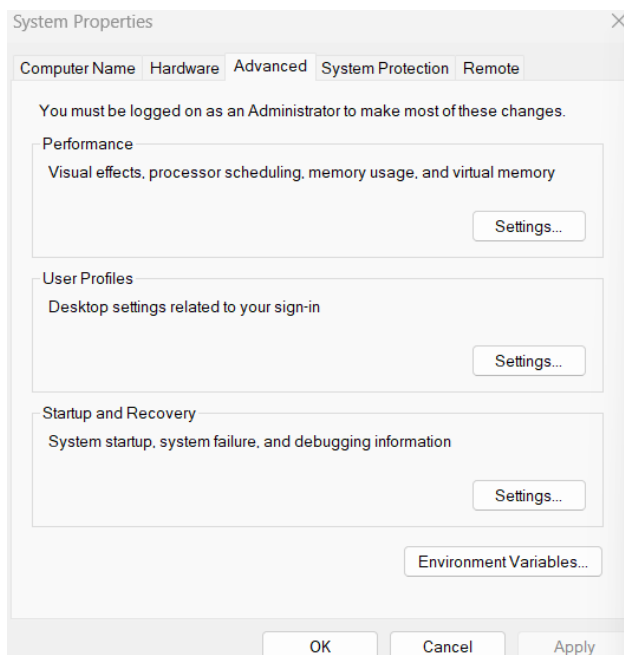
Setting JAVA_HOME

- Open environment Variable and click on "New" in "User Variable"

- Now , add JAVA_HOME in variable name and path of Java(jdk) in Variable Value.

- Click OK and we are half done with setting JAVA_HOME.

This PC > Shashank (D:) > Shashank > Study > hadoop-2.9.2

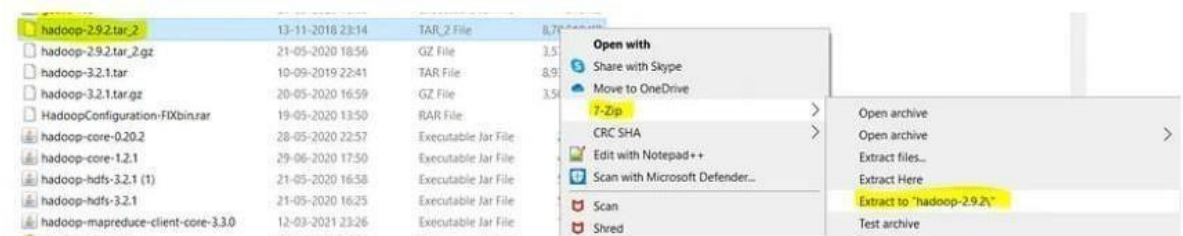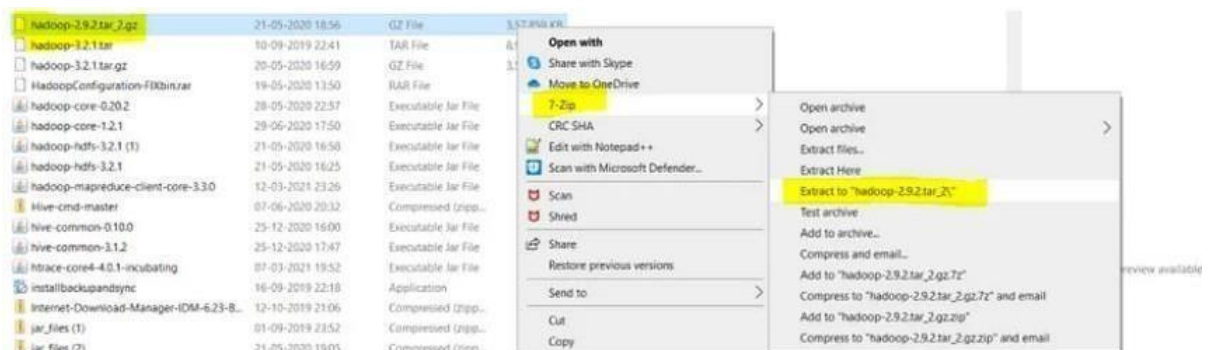| Name	Date modified	Type	Size
bin	20-09-2020 16:35	File folder	
data	20-09-2020 16:31	File folder	
etc	13-11-2018 20:45	File folder	
include	13-11-2018 20:45	File folder	
lib	13-11-2018 20:45	File folder	
libexec	13-11-2018 20:45	File folder	
logs	20-09-2020 16:41	File folder	
sbin	13-11-2018 20:45	File folder	
share	13-11-2018 20:45	File folder	
LICENSE	13-11-2018 20:45	TXT File	104 KB
NOTICE	13-11-2018 20:45	TXT File	16 KB
README	13-11-2018 20:45	TXT File	2 KB

Setting HADOOP_HOME

- Open environment Variable and click on "New" in "User Variable"

- Now, add HADOOP_HOME in variable name and path of Hadoop folder in Variable Value.

- Click OK and we are half done with setting HADOOP_HOME.
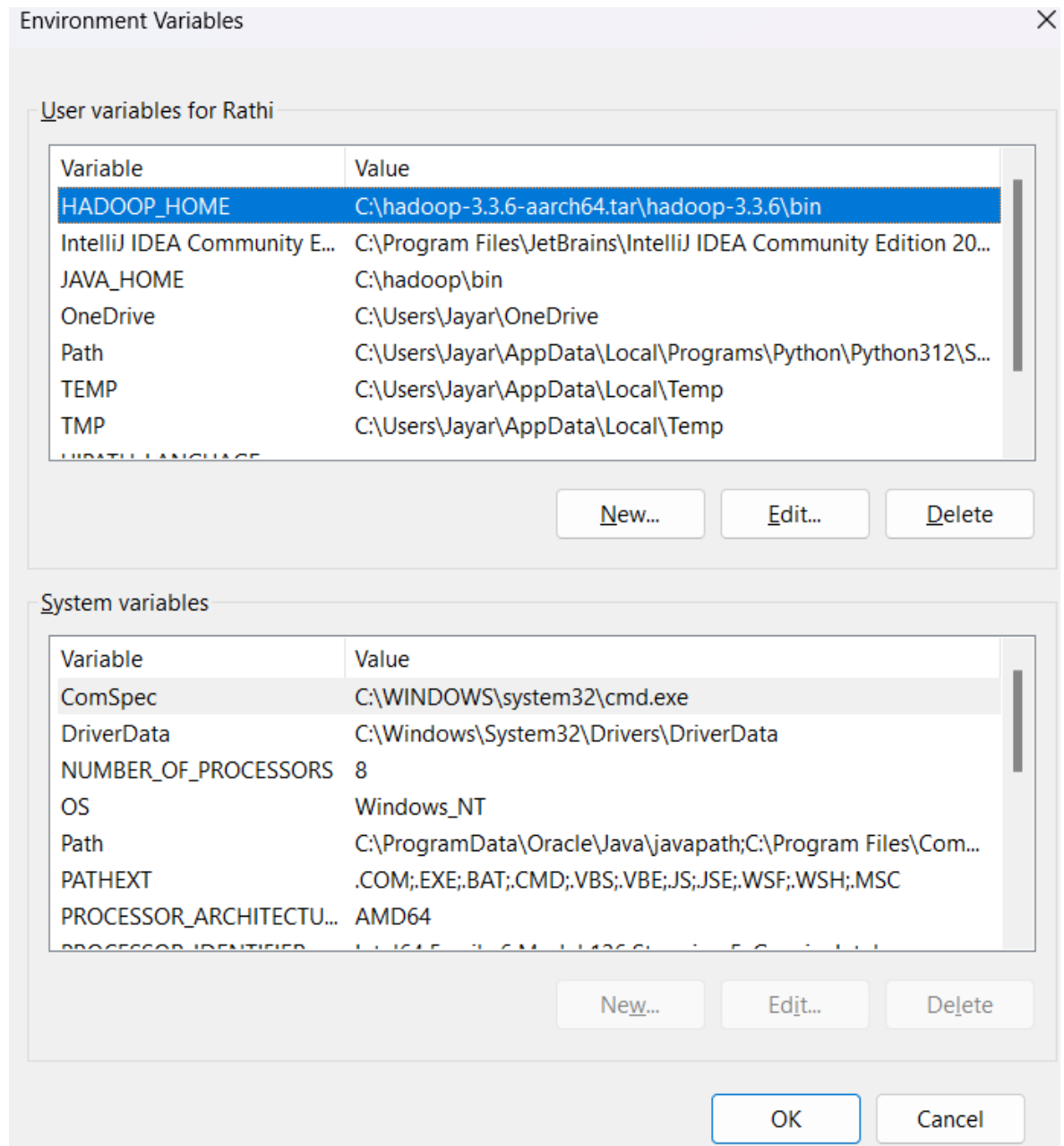
Setting Path Variable

- Last step in setting Environment variable is setting Path in System Variable.

- Select Path variable in the system variables and click on "Edit".

- Now we need to add these paths to Path Variable one by one:-
  * %JAVA_HOME%\bin
  * %HADOOP_HOME%\bin
  * %HADOOP_HOME%\sbin

- Click OK and OK. & we are done with Setting Environment Variables.

Verify the Paths

- Open a **NEW** Command Window
- Run following commands.

  echo %JAVA_HOME%

  echo %HADOOP_HOME%

  echo %PATH%

Creating Folders

- Create **DATA folder** in the Hadoop directory

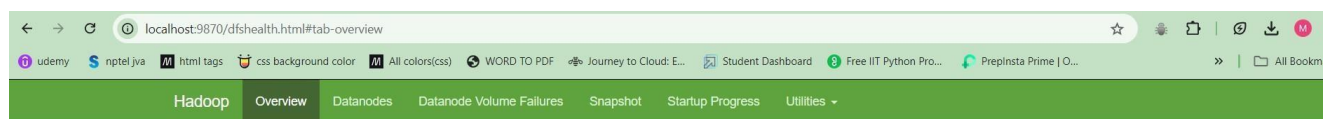- These folders are important because files on HDFS resides inside the datanode.

OUTPUT:

Result:

Thus the Apache Hadoop is installed on windows Successfully.