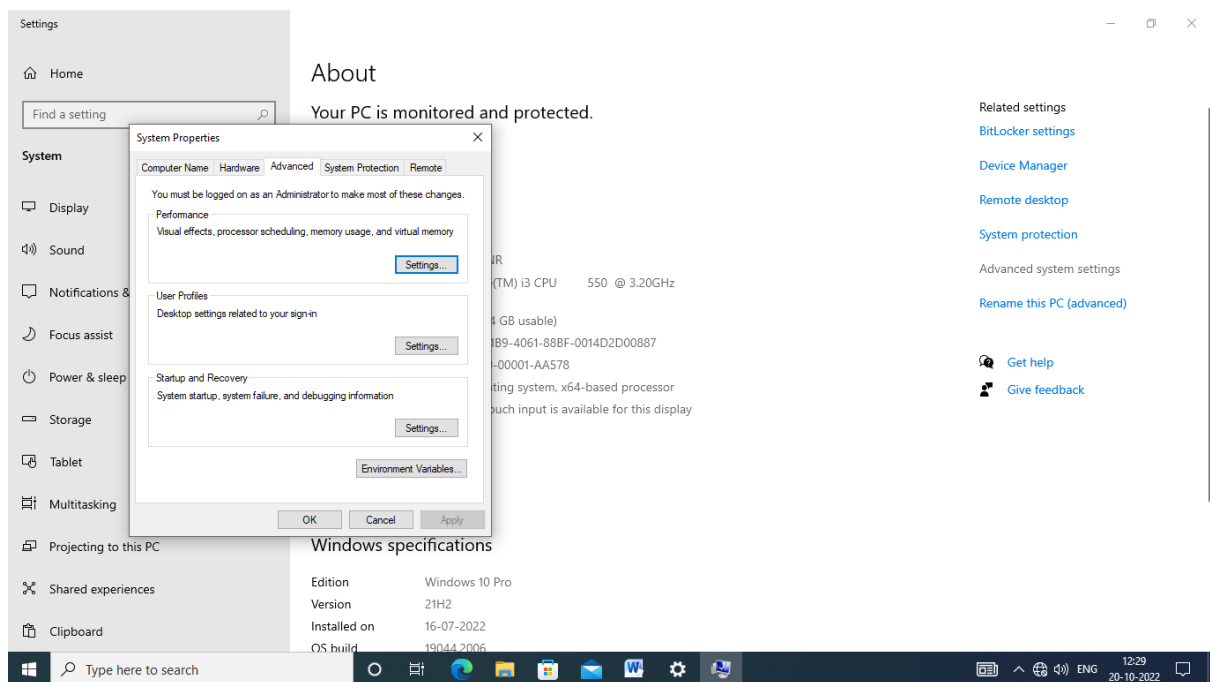
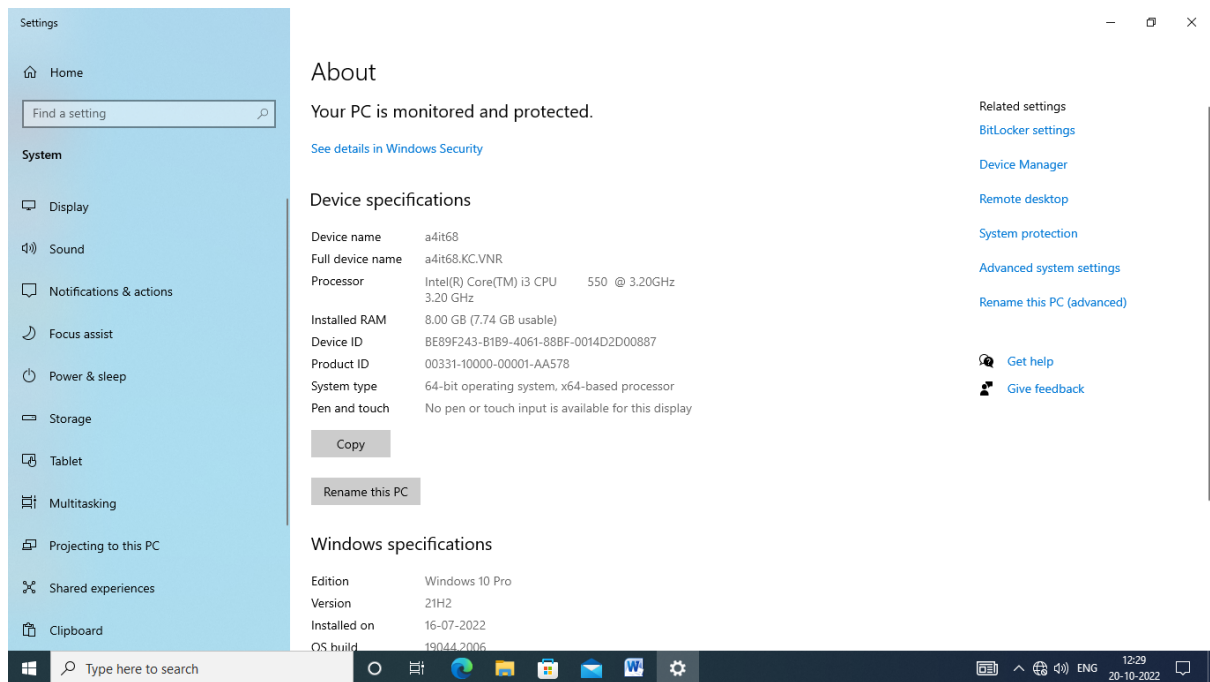


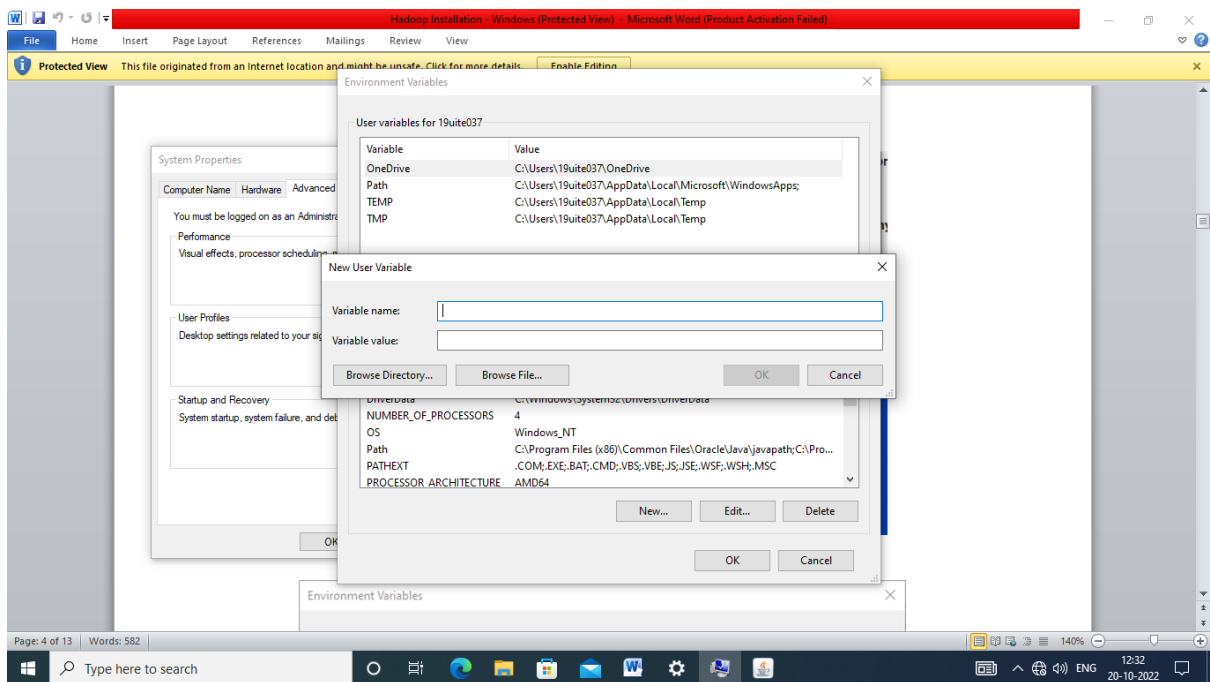
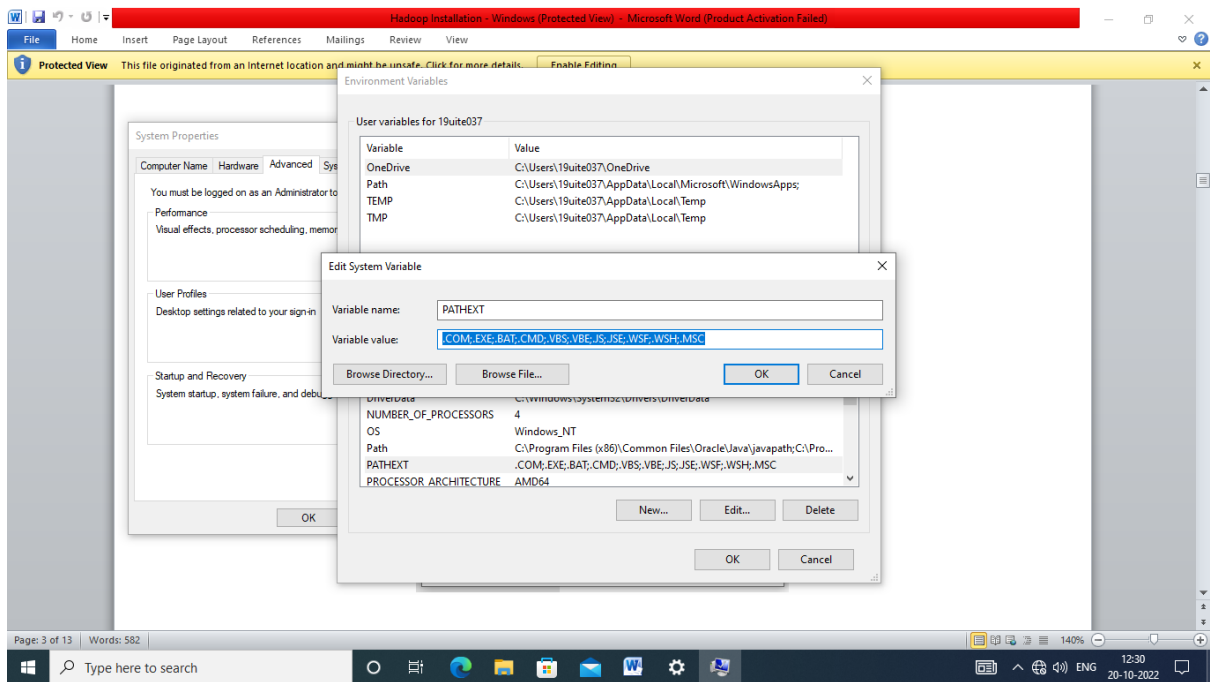
**NAME : SRINITHI B**

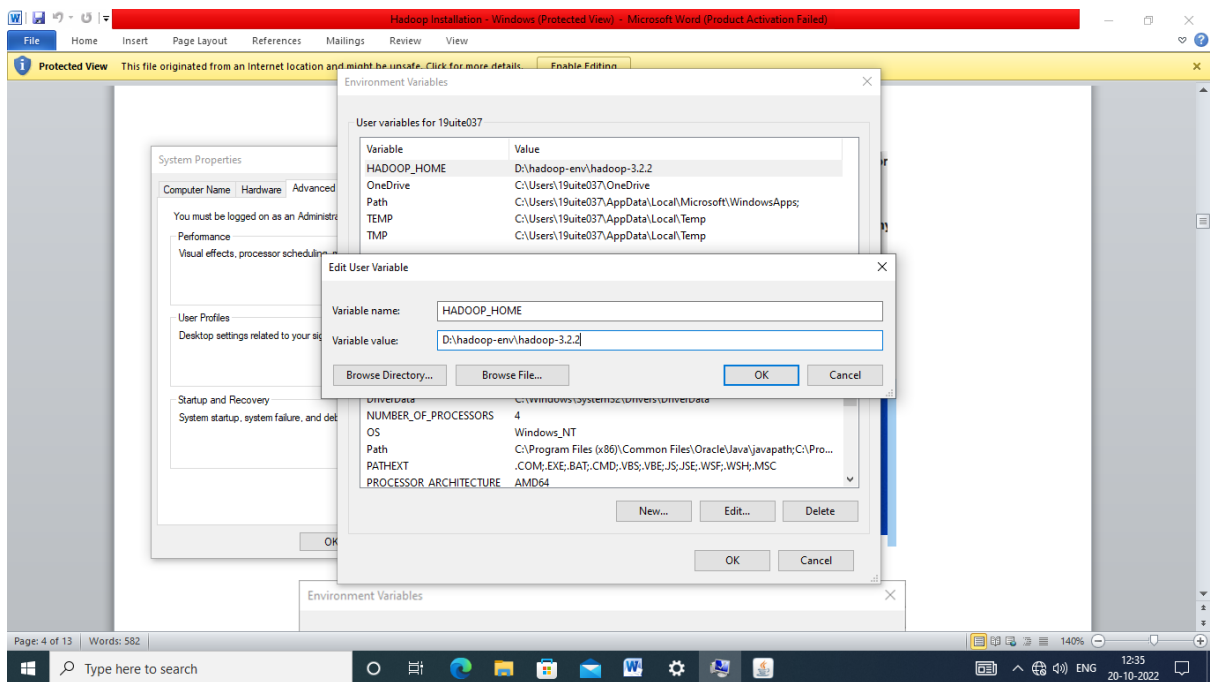
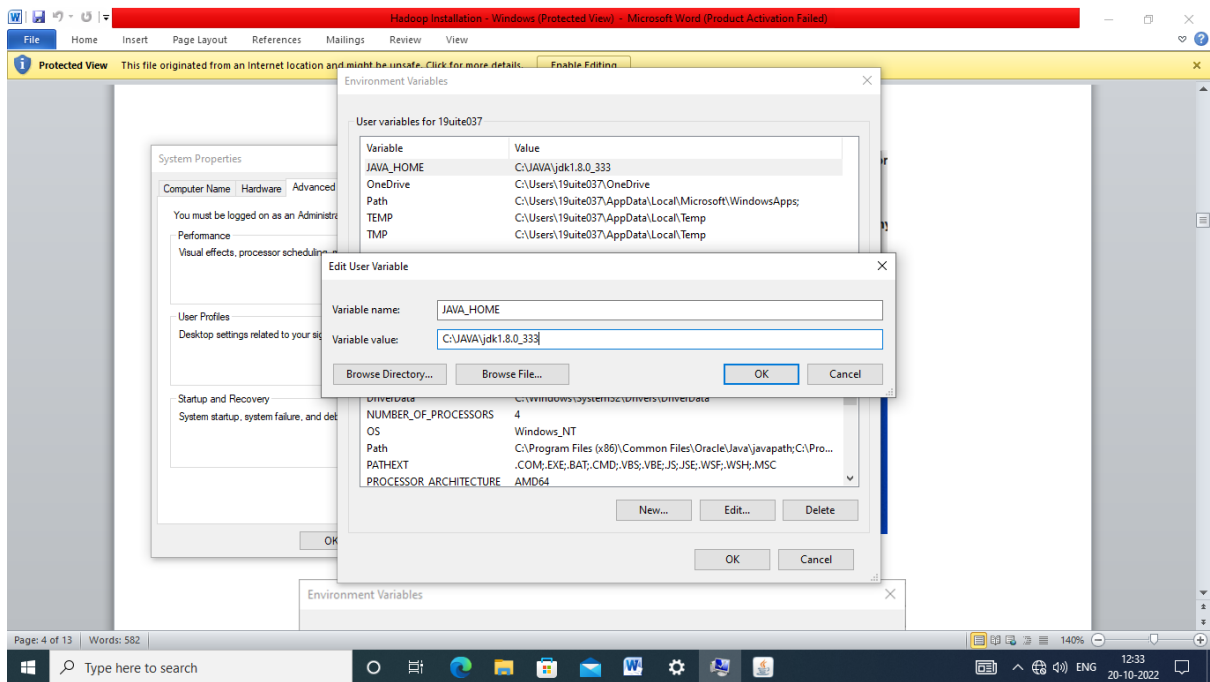
**ROLL NO : 19UITE036**

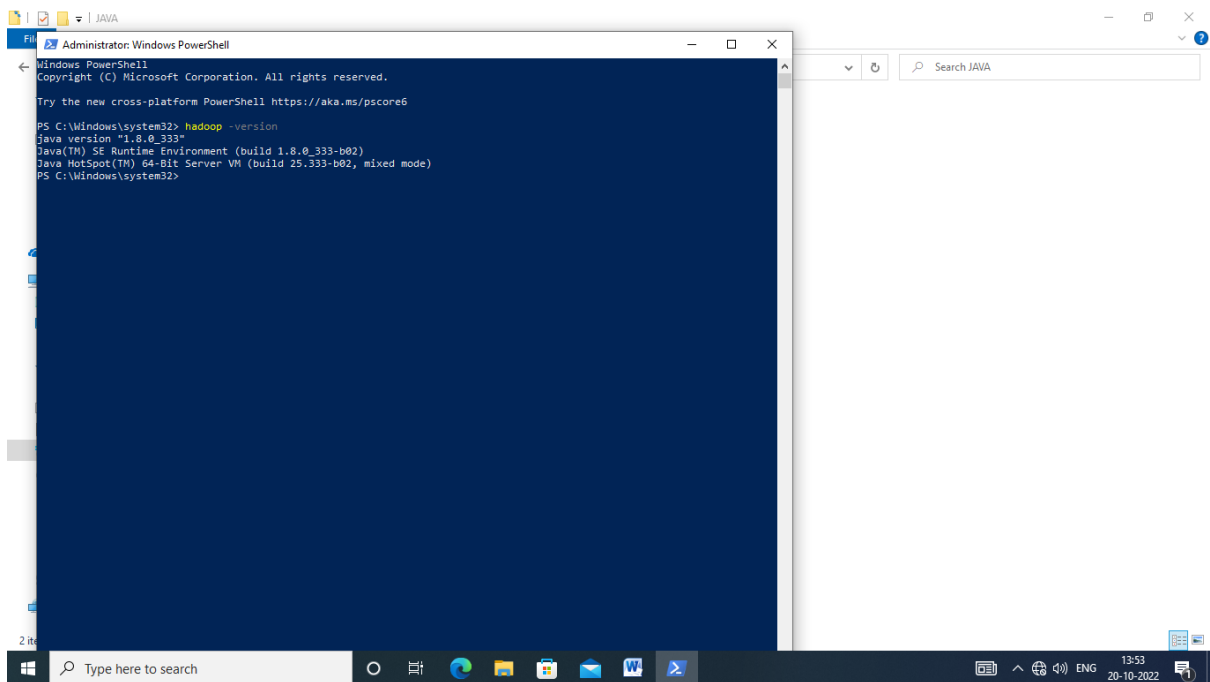
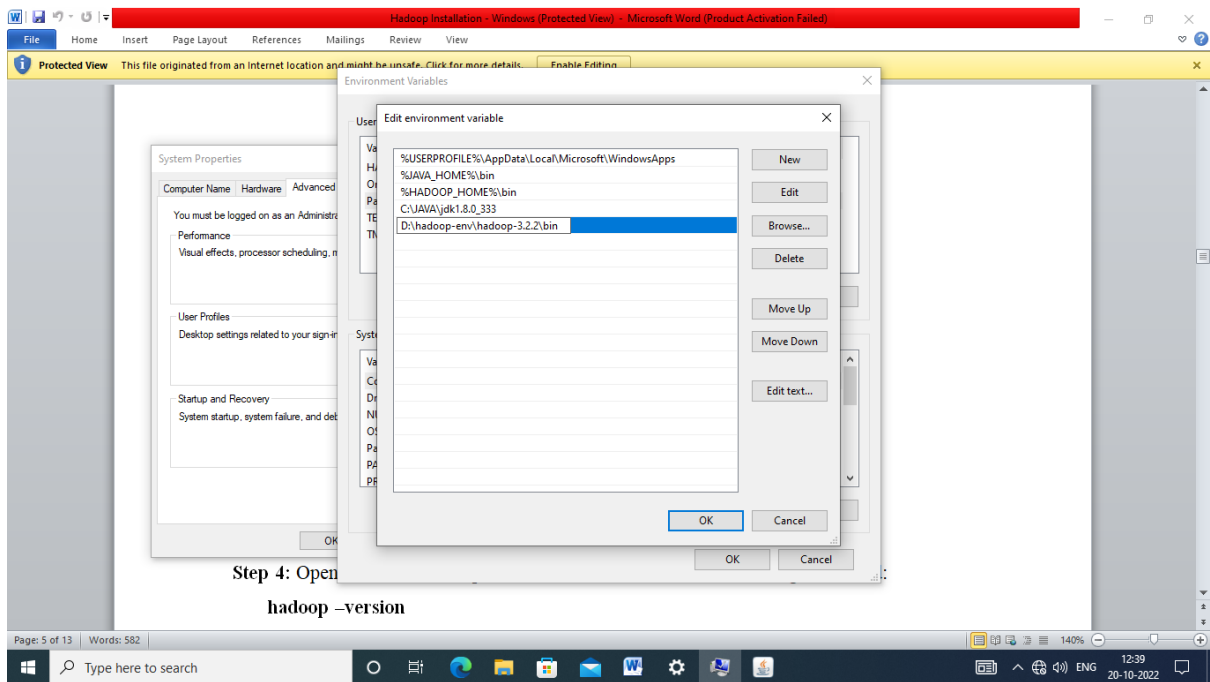
**EX NO : 9**

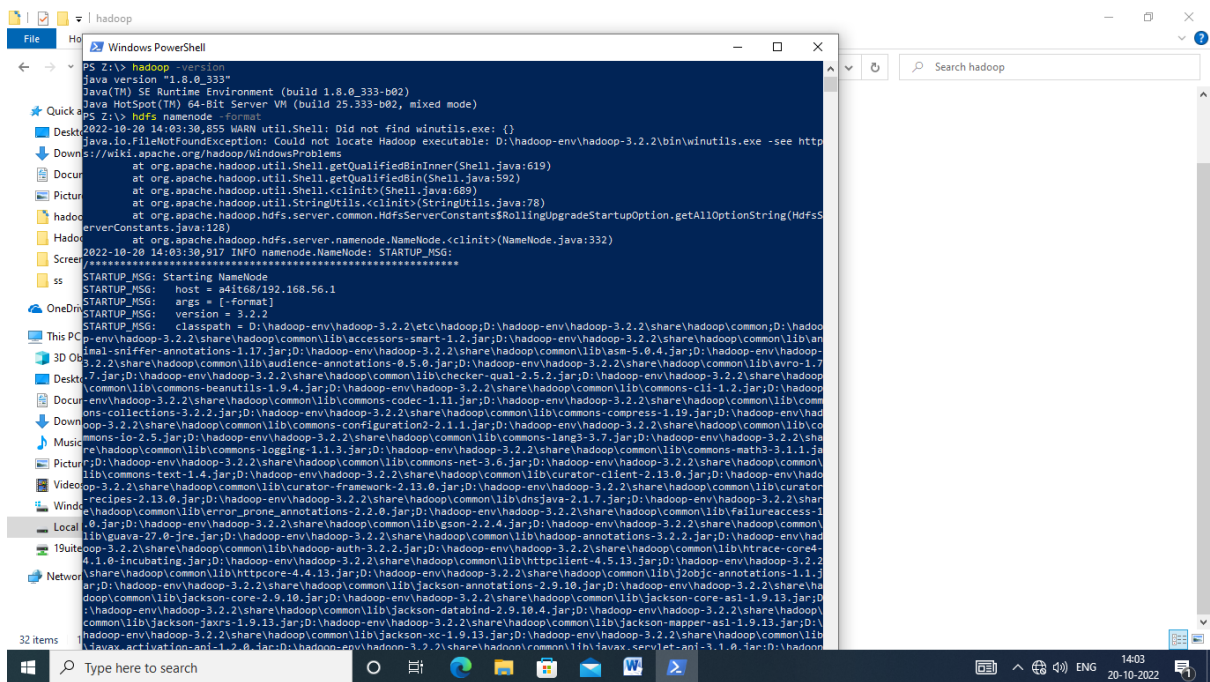
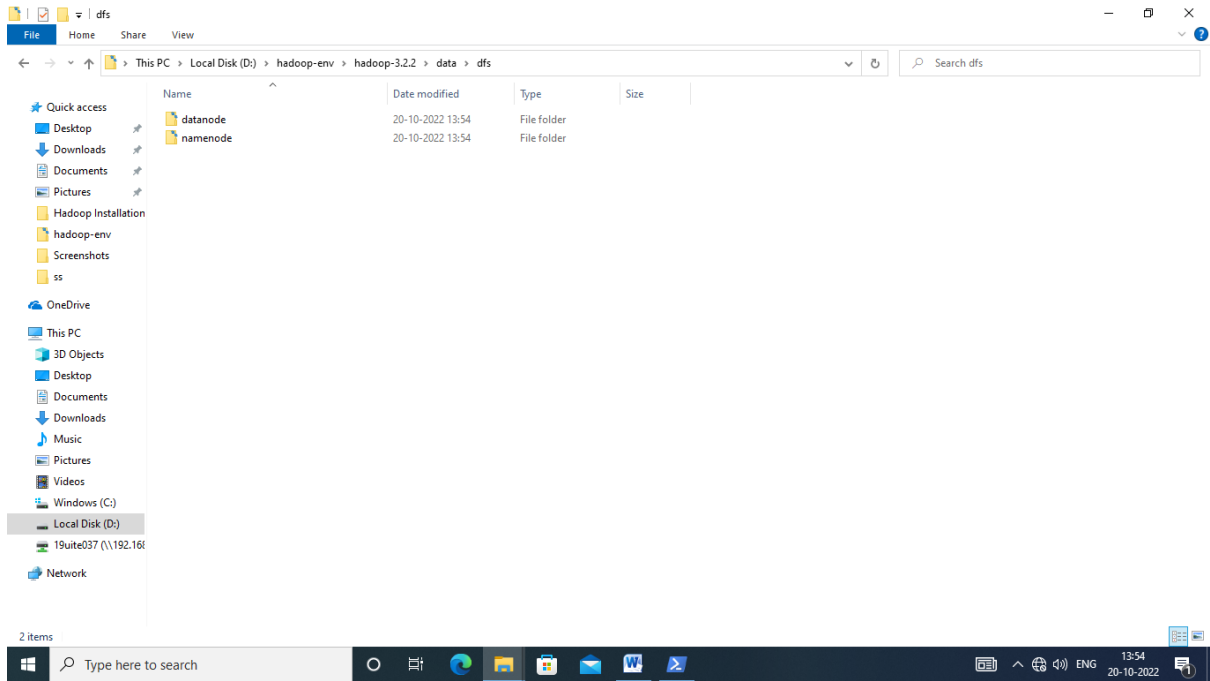
**EX NAME : HADOOP**











```
Windows PowerShell
2022-10-20 14:03:32,574 INFO util.GSet: VM type = 64-bit
2022-10-20 14:03:32,574 INFO util.GSet: 0.029999999329447746% max memory 889 MB = 273.1 KB
2022-10-20 14:03:32,574 INFO util.GSet: capacity = 2^15 = 32768 entries
2022-10-20 14:03:37,199 INFO namenode.FSImage: Allocated new BlockPoolId: BP-1623556943-192.168.56.1-1666254817167
2022-10-20 14:03:37,199 ERROR namenode.NameNode: Failed to start namenode.
java.lang.RuntimeException: java.io.FileNotFoundException: Could not locate Hadoop executable: D:\hadoop-env\hadoop-3.2.2\bin\winutils.exe -see https://wiki.apache.org/hadoop/WindowsProblems
    at org.apache.hadoop.util.Shell.getWinUtilsPath(Shell.java:736)
    at org.apache.hadoop.util.Shell.setSetPermissionCommand(Shell.java:271)
    at org.apache.hadoop.fs.FileUtil.execSetPermission(FileUtil.java:1346)
    at org.apache.hadoop.fs.FileUtil.setPermission(FileUtil.java:1299)
    at org.apache.hadoop.hdfs.server.common.Storage$StorageDirectory.clearDirectory(Storage.java:456)
    at org.apache.hadoop.hdfs.server.namenode.NNStorage.format(NNStorage.java:591)
    at org.apache.hadoop.hdfs.server.namenode.FSImage.format(FSImage.java:188)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.format(NameNode.java:1230)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.createNameNode(NameNode.java:1673)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.main(NameNode.java:1783)
Caused by: java.io.FileNotFoundException: Could not locate Hadoop executable: D:\hadoop-env\hadoop-3.2.2\bin\winutils.exe -see https://wiki.apache.org/hadoop/WindowsProblems
    at org.apache.hadoop.util.Shell.getQualifiedBinInner(Shell.java:619)
    at org.apache.hadoop.util.Shell.getQualifiedBin(Shell.java:592)
    at org.apache.hadoop.util.Shell.<init>(Shell.java:689)
    at org.apache.hadoop.util.StringUtils.<init>(StringUtils.java:78)
    at org.apache.hadoop.hdfs.server.common.HdfsServerConstants$RollingUpgradeStartupOption.getAllOptionString(HdfsServerConstants.java:128)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.<init>(NameNode.java:332)
2022-10-20 14:03:37,199 INFO util.ExitUtil: Exiting with status 1: java.lang.RuntimeException: java.io.FileNotFoundException: Could not locate Hadoop executable: D:\hadoop-env\hadoop-3.2.2\bin\winutils.exe -see https://wiki.apache.org/hadoop/WindowsProblems
2022-10-20 14:03:37,214 INFO namenode.NameNode: SHUTDOWN_MSG:
=====
SHUTDOWN_MSG: Shutting down NameNode at a41t68/192.168.56.1
=====
PS Z:\>
```

```
Apache Hadoop Distribution
time is 600000 millis
2022-10-20 14:07:42,323 INFO util.GSet: Computing capacity for map NameNodeRetryCache
2022-10-20 14:07:42,323 INFO util.GSet: VM type = 64-bit
2022-10-20 14:07:42,323 INFO util.GSet: 0.029999999329447746% max memory 889 MB = 273.1 KB
2022-10-20 14:07:42,323 INFO util.GSet: capacity = 2^15 = 32768 entries
2022-10-20 14:07:42,354 ERROR namenode.NameNode: Failed to start namenode.
java.lang.UnsatisfiedLinkError: org.apache.hadoop.io.nativeio.NativeIO$Windows.access0(Ljava/lang/String;I)Z
    at org.apache.hadoop.io.nativeio.NativeIO$Windows.access0(Native Method)
    at org.apache.hadoop.io.nativeio.NativeIO$Windows.access0(NativeIO.java:793)
    at org.apache.hadoop.fs.FileUtil.canWrite(FileUtil.java:1254)
    at org.apache.hadoop.hdfs.server.common.Storage$StorageDirectory.analyzeStorage(Storage.java:690)
    at org.apache.hadoop.hdfs.server.common.Storage$StorageDirectory.analyzeStorage(Storage.java:642)
    at org.apache.hadoop.hdfs.server.namenode.FSImage.recoverStorageDirs(FSImage.java:386)
    at org.apache.hadoop.hdfs.server.namenode.FSImage.recoverTransitionRead(FSImage.java:242)
    at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.loadFSImage(FSNamesystem.java:1135)
    at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.loadFromDisk(FSNamesystem.java:750)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.loadNamesystem(NameNode.java:658)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.initialize(NameNode.java:734)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.<init>(NameNode.java:977)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.<init>(NameNode.java:950)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.createNameNode(NameNode.java:1716)
    at org.apache.hadoop.hdfs.server.namenode.NameNode.main(NameNode.java:1783)
2022-10-20 14:07:42,354 INFO util.ExitUtil: Exiting with status 1: java.lang.UnsatisfiedLinkError: org.apache.hadoop.io.nativeio.NativeIO$Windows.access0(Ljava/lang/String;I)Z
2022-10-20 14:07:42,354 INFO namenode.NameNode: SHUTDOWN_MSG:
=====
SHUTDOWN_MSG: Shutting down NameNode at a41t68/192.168.56.1
=====
D:\hadoop-env\hadoop-3.2.2\sbin>
```



```
PS D:\hadoop-env\hadoop-3.2.2\sbin> .\start-dfs.cmd
PS D:\hadoop-env\hadoop-3.2.2\sbin> .\start-yarn.cmd
starting yarn daemons
PS D:\hadoop-env\hadoop-3.2.2\sbin> jps_
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

D:\hadoop-env\hadoop-3.2.2\sbin>. \start-dfs.cmd

D:\hadoop-env\hadoop-3.2.2\sbin>./yarn.cmd
'.' is not recognized as an internal or external command,
operable program or batch file.

D:\hadoop-env\hadoop-3.2.2\sbin>. \start-yarn.cmd
starting yarn daemons

D:\hadoop-env\hadoop-3.2.2\sbin>jps
4240 DataNode
5824 NameNode
5856 NodeManager
9880 Jps
5404 ResourceManager

D:\hadoop-env\hadoop-3.2.2\sbin>_
```

Activate Windows  
Go to Settings to activate Windows.



Namenode information

localhost:9870/dfshealth.html#tab-overview

Hadoop

Overview

Datanodes

Datanode Volume Failures

Snapshot

Startup Progress

Utilities

## Overview 'localhost:9820' (active)

Started:	Fri Oct 28 16:33:56 +0530 2022
Version:	3.2.2, r7a3bc90b05f257c8ace2f76d74264906f0f7a932
Compiled:	Sun Jan 03 14:56:00 +0530 2021 by hexiaoqiao from branch-3.2.2
Cluster ID:	CID-56dd64cb-4a32-40ed-8de3-58a531365b9d
Block Pool ID:	BP-228861544-192.168.56.1-1666954946052

## Summary

Security is off.  
Safemode is off.  
1 files and directories, 0 blocks (0 replicated blocks, 0 erasure coded block groups) = 1 total filesystem object(s).  
Heap Memory used 84.78 MB of 188 MB Heap Memory. Max Heap Memory is 889 MB.  
Non Heap Memory used 49.36 MB of 50.59 MB Committed Non Heap Memory. Max Non Heap Memory is <unbounded>.

Activate Windows  
Go to Settings to activate Windows.

Type here to search

16:39

28-10-2022

Namenode information

DataNode Information

DataNode Information

localhost:9864/datanode.html

Hadoop

Overview

Datanodes

Datanode Volume Failures

Snapshot

Startup Progress

Utilities

## DataNode on a4it63.KC.VNR:9866

Cluster ID:	CID-56dd64cb-4a32-40ed-8de3-58a531365b9d
Version:	3.2.2, r7a3bc90b05f257c8ace2f76d74264906f0f7a932

## Block Pools

Namenode Address	Block Pool ID	Actor State	Last Heartbeat	Last Block Report	Last Block Report Size (Max Size)
localhost:9820	BP-228861544-192.168.56.1-1666954946052	RUNNING	1s	12 minutes	0 B (64 MB)

## Volume Information

Directory	Storage Type	Capacity Used	Capacity Left	Capacity Reserved	Reserved Space for Replicas	Blocks
D:\hadoop-env\hadoop-3.2.2\data\dfs\datanode	DISK	321 B	224.26 GB	0 B	0 B	0

Activate Windows  
Go to Settings to activate Windows.

Hadoop, 2021.

Type here to search

16:45

28-10-2022