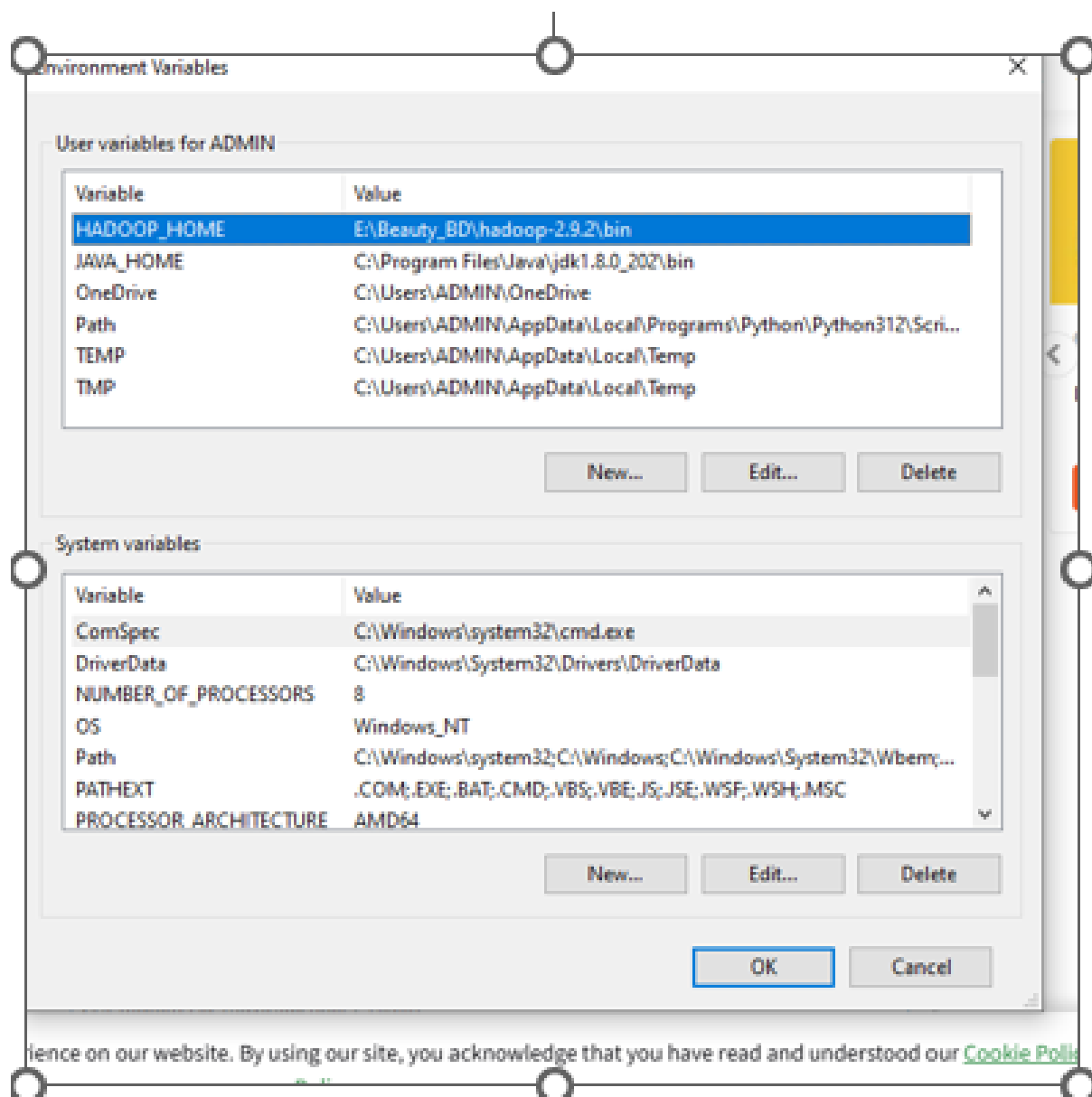
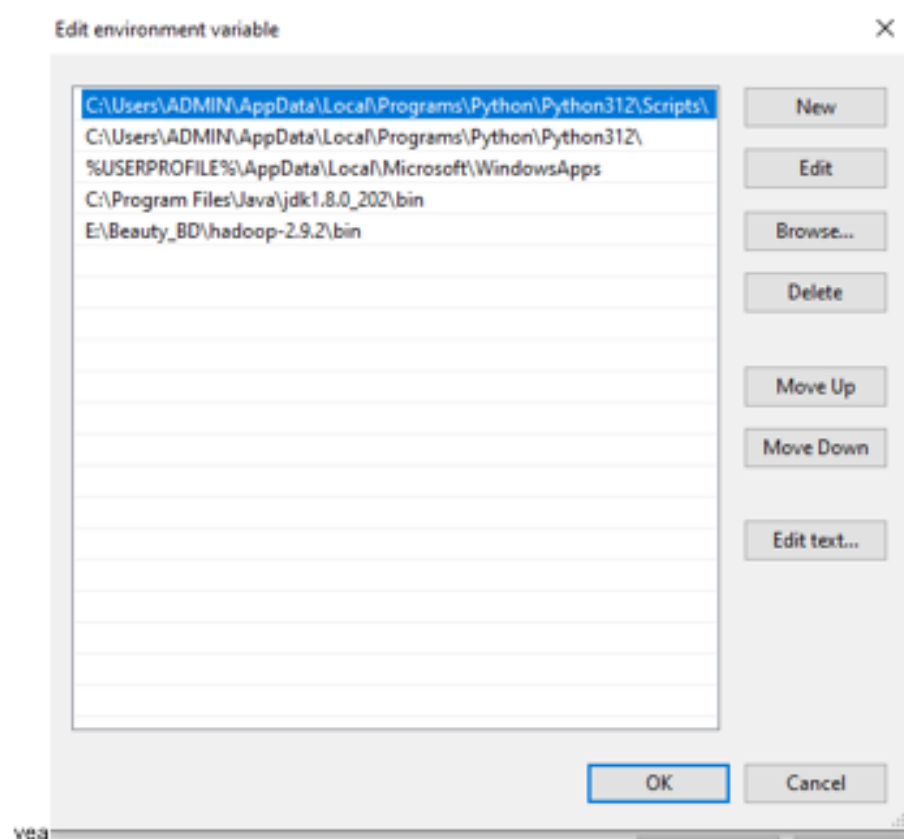


Step 4: Set JAVA_HOME variable



Step 5: Set Hadoop and Java bin directory path



Step 6: Hadoop Configuration :

1. Core-site.xml
2. Mapred-site.xml
3. Hdfs-site.xml
4. Yarn-site.xml
5. Hadoop-env.cmd
6. Create two folders datanode and namenode

Step 6.1: Core-site.xml configuration

```
<configuration>
  <property>
    <name>fs.defaultFS</name>
    <value>hdfs://localhost:9000</value>
  </property>
</configuration>
```

Step 6.2: Mapred-site.xml configuration

```
<configuration>
  <property>
    <name>mapreduce.framework.name</name>
    <value>yarn</value>
  </property>
</configuration>
```

Step 6.3: Hdfs-site.xml configuration

```
<configuration>
  <property>
    <name>dfs.replication</name>
    <value>1</value>
  </property>
  <property>
    <name>dfs.namenode.name.dir</name>
    <value>C:\hadoop-2.8.0\data\namenode</value>
  </property>
  <property>
    <name>dfs.datanode.data.dir</name>
    <value>C:\hadoop-2.8.0\data\datanode</value>
  </property>
</configuration>
```

Step 6.4: Yarn-site.xml configuration

```
<configuration>
  <property>
    <name>yarn.nodemanager.aux-services</name>
    <value>mapreduce_shuffle</value>
  </property>
  <property>
    <name>yarn.nodemanager.auxservices.mapreduce.shuffle.class</name>
    <value>org.apache.hadoop.mapred.ShuffleHandler</value>
  </property>
</configuration>
```

```
</configuration>
```

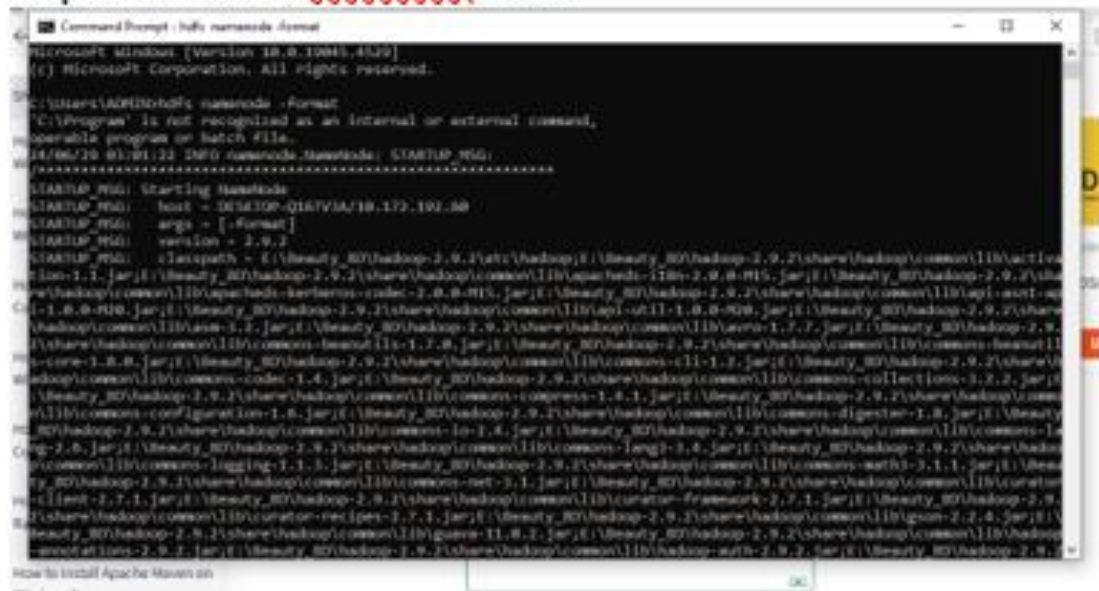
Step 6.5: Hadoop-env.cmd configuration

```
Set "JAVA_HOME=C:\Java" (On C:\java this is path to file jdk.18.0)
```

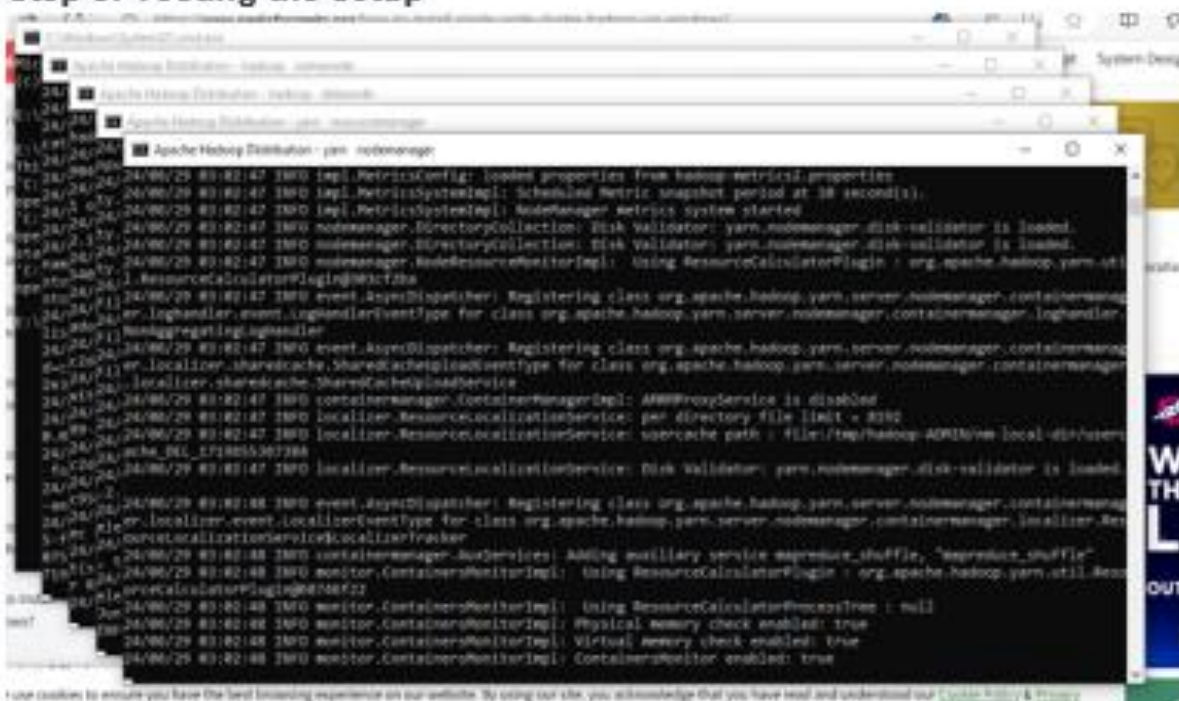
Step 6.6: Create datanode and namenode folders



Step 7: Format the namenode folder



Step 8: Testing the setup



```
24/06/29 00:02:47 INFO impl.MetricsConfig: loaded properties from hadoop-metrics2.properties
24/06/29 00:02:47 INFO impl.MetricsSystemImpl: Scheduled metric snapshot period at 30 second(s).
24/06/29 00:02:47 INFO impl.MetricsSystemImpl: NodeManager metrics system started
24/06/29 00:02:47 INFO nodemanager.DirectoryCollection: Disk Validator: yarn.nodemanager.disk-validator is loaded.
24/06/29 00:02:47 INFO nodemanager.ResourceMonitorImpl: Using ResourceCalculatorPlugin: org.apache.hadoop.yarn.util.ResourceCalculatorPlugin@3cf2ba
24/06/29 00:02:47 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.loghandler.event.LogHandlerEvent for class org.apache.hadoop.yarn.server.nodemanager.containermanager.loghandler.event.LogHandlerEvent
24/06/29 00:02:47 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.loghandler.event.LogHandlerEvent for class org.apache.hadoop.yarn.server.nodemanager.containermanager.loghandler.event.LogHandlerEvent
24/06/29 00:02:47 INFO containermanager.ContainerManagerImpl: AMRProxyService is disabled
24/06/29 00:02:47 INFO localizer.ResourceLocalizerService: per directory file limit = 8192
24/06/29 00:02:47 INFO localizer.ResourceLocalizerService: vopcache path = file:/tmp/hadoop-ADRIAN/local-dfs/vopcache
24/06/29 00:02:47 INFO localizer.ResourceLocalizerService: Disk Validator: yarn.nodemanager.disk-validator is loaded.
24/06/29 00:02:47 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.localizer.event.LocalizerEvent for class org.apache.hadoop.yarn.server.nodemanager.containermanager.localizer.event.LocalizerEvent
24/06/29 00:02:47 INFO containermanager.AuxServices: Adding auxiliary service reproduce_shuffle, 'reproduce_shuffle'
24/06/29 00:02:47 INFO monitor.ContainerMonitorImpl: Using ResourceCalculatorPlugin: org.apache.hadoop.yarn.util.ResourceCalculatorPlugin@3cf2ba
24/06/29 00:02:47 INFO monitor.ContainerMonitorImpl: Physical memory check enabled: true
24/06/29 00:02:47 INFO monitor.ContainerMonitorImpl: Virtual memory check enabled: true
24/06/29 00:02:47 INFO monitor.ContainerMonitorImpl: ContainerMonitor enabled: true
```

Step 8.1: Testing the setup:

Step 9: Open: <http://localhost:8088>



Step 10: <http://localhost:50070>

Hadoop	Overview	Datanodes	Datanode Volume Volumes	Snapshot	Startup Progress	Utilities	-
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Overview 'localhost:9000' (active)

Started:	Sat Jan 25 00:02:45 -0700 2014
Version:	2.9.2 -625a9f9ee7f0ca6279c2847f6c8476a66d2ed704
Compiled:	Tue Nov 13 04:42:00 -0800 2013 by aparka from branch-2.9.2
Cluster ID:	CID-85a2e3e-cbea-4971-815c-46a0c0c0c0c7
Block Pool ID:	BP-5a662a65-10-171-192-60-1710495432en

Summary

Security is off.

Datanode is off.

1 Data and Archivalers, 0 Blocks = 1 total filesystem step(s).

Heap Memory used 96.24 MB of 102.5 MB Heap Memory. Max Heap Memory is 600 MB.

Non-Heap Memory used 41.84 MB of 45.36 MB Committed Non-Heap Memory. Max Non-Heap Memory is <unbounded>.