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SARDAR PATEL INSTITUTE OF TECHNOLOGY
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Department Of Computer Engineering

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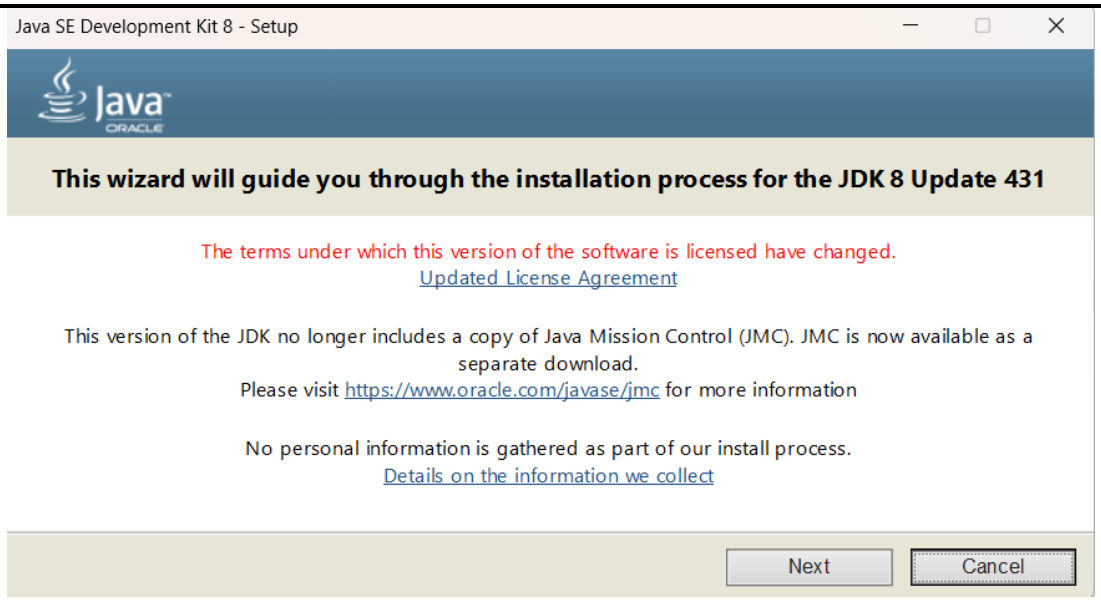
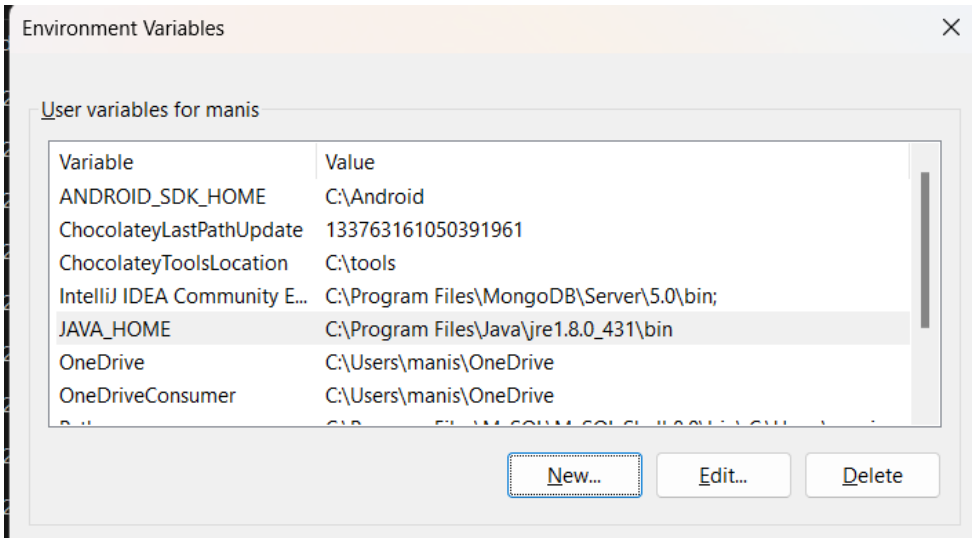
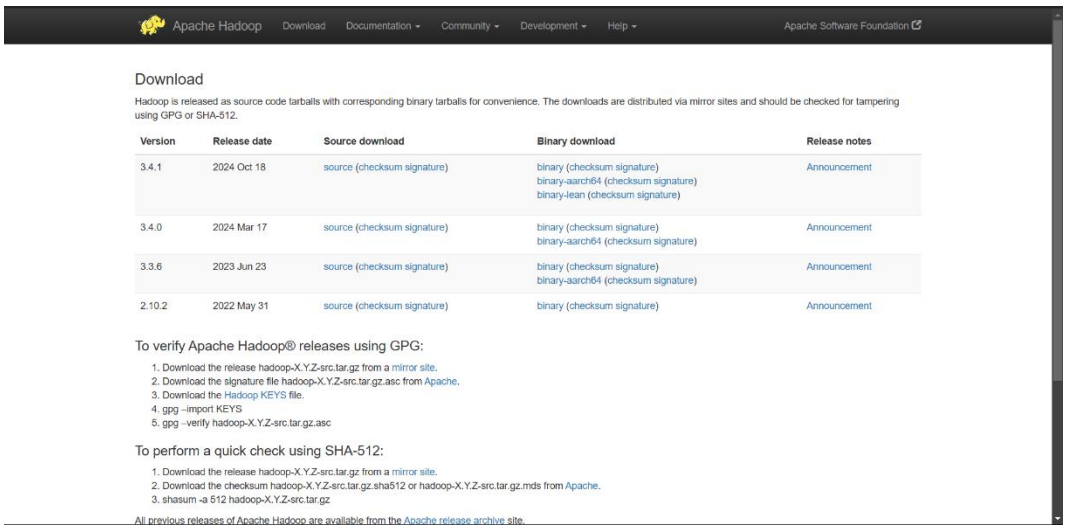
UID	2023301005
Subject	Big Data Analysis and Visualization Lab
Experiment No.	1
Aim	To setup and install Hadoop in Pseudo-Distributed Mode and monitoring Hadoop
1. Install Java JDK 8:	 

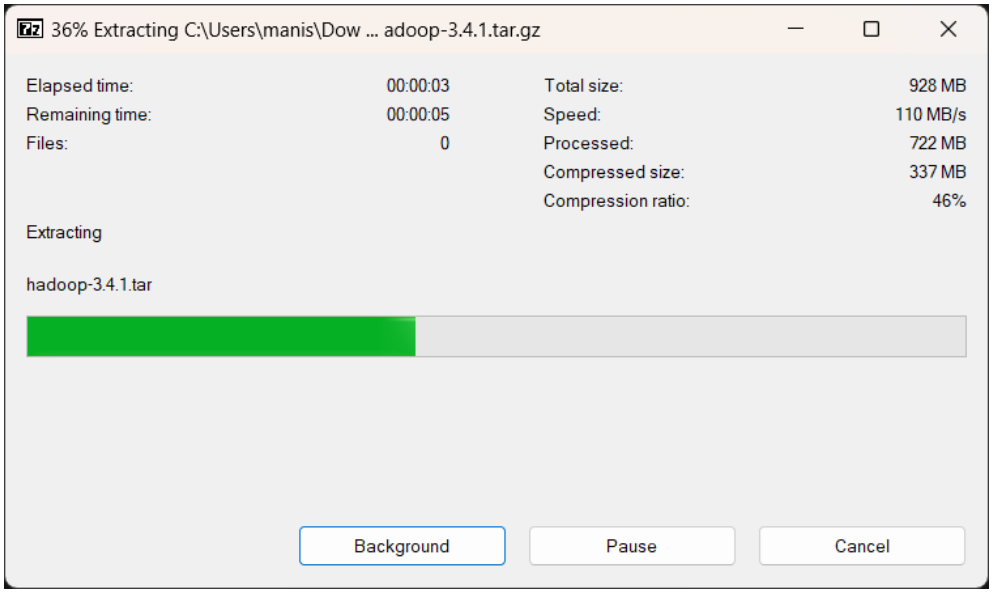
2. Setting up Environment Variables



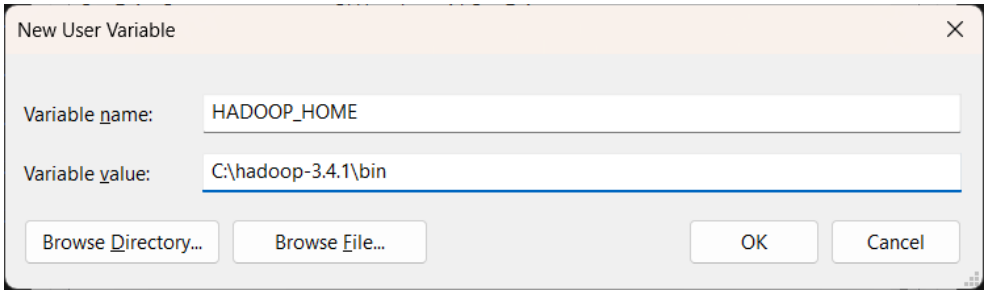

```
C:\Users\manis>java -version
java version "1.8.0_431"
Java(TM) SE Runtime Environment (build 1.8.0_431-b10)
Java HotSpot(TM) 64-Bit Server VM (build 25.431-b10, mixed mode)

C:\Users\manis>
```

3. Install Hadoop

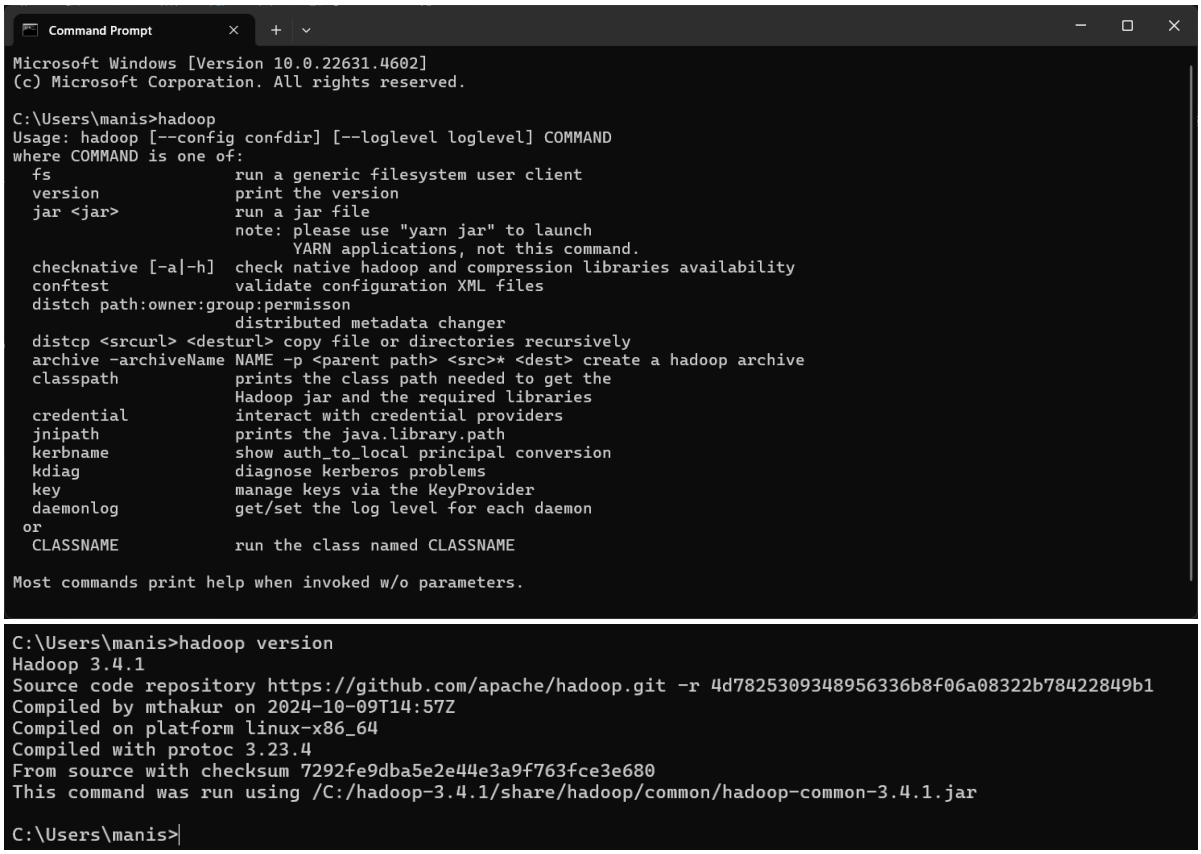




4. Set Environment variable for Hadoop



5. Check Hadoop is Installed or not



6. Starting Hadoop

Configuration of Hadoop cluster is done in below 4 files:

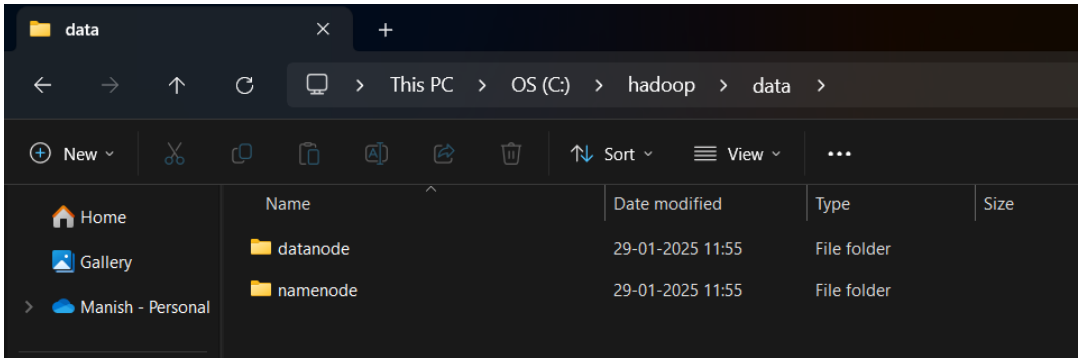
1. %HADOOP_HOME%\etc\hadoop\hdfs-site.xml

2. %HADOOP_HOME%\etc\hadoop\core-site.xml

3. %HADOOP_HOME%\etc\hadoop\mapred-site.xml

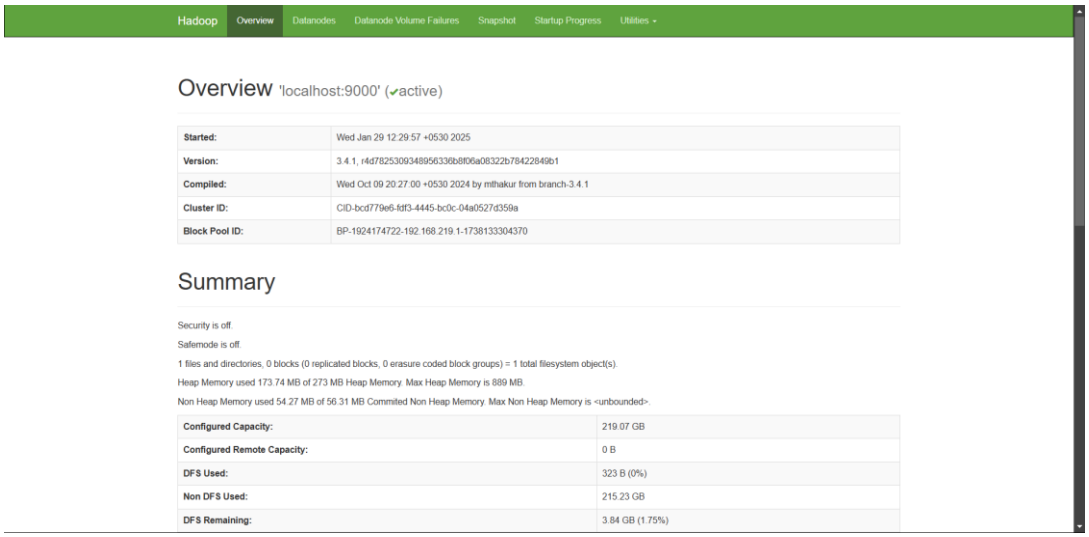
4. %HADOOP_HOME%\etc\hadoop\yarn-site.xml

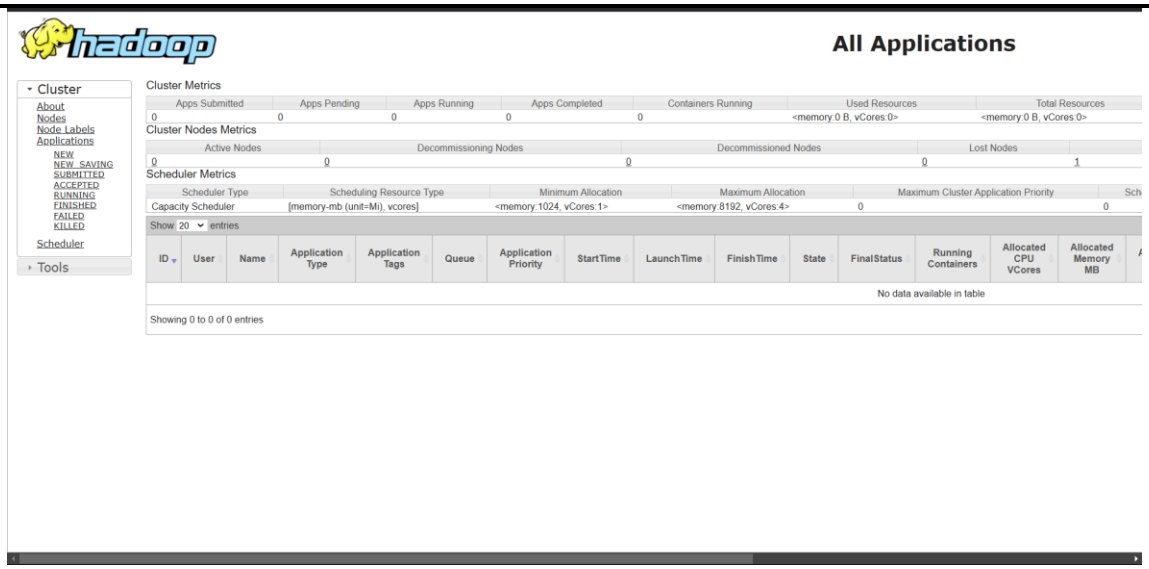
After the configuration is performed, separate directory is made for datanode and namenode.



Core site, mapreduce and yarn configuration is done.After that we can run datanode, namenode and yarn to start hadoop.

7. Hadoop Web UI





Conclusion	Hence by completing this experiment we came to know to setup and install Hadoop in Pseudo-Distributed Mode and monitoring Hadoop.