For installation of Hadoop on Ubuntu:

Ref site :

https://phoenixnap.com/kb/hadoop-ubuntu

Login as hadoop user:

Check for java -version

$ java -version

Check for hadoop version
$ hadoop version

check for password less login
$ssh localhost

start the hadoop daemons

$ start-dfs.sh
$ start-yarn.sh

Create a text file to hold the contents like data.txt (you can use editor)
create a directory rtest which will hold the inputfile for processing

$ hdfs dfs -mkdir /user
$ hdfs dfs -mkdir /user/hdoop
put the data from local file system to hdfs file system
$ hdfs dfs -put data.txt /user/hdoop/rtest

Run a jar file available in examples directory using following commad :

$hadoop jar ~/hadoop-3.3.2/share/hadoop/mapreduce/hadoop-mapreduce-examples-3.3.2.jar
wordcount rtest output

once the above command runs successfully a file with name part-r-00000 will be created in the output
directory. The output of wordcount program you can check with

$ hdfs dfs -cat /user/hdoop/output/part-r-00000

you can ckeck the contents of directory using following command :

$hdfs dfs -ls /

stop the hadoop daemons :
$ stop-dfs.sh
$ stop-yarn.sh

hdoop@rak123-Inspiron-5559:~$ jps
8355 NameNode
8500 DataNode
9220 NodeManager
9606 Jps
9063 ResourceManager
8749 SecondaryNameNode

hdoop@rak123-Inspiron-5559:~$ hdfs dfs -cat /user/hdoop/output/part-r-00000
Hello   1
PICT   2
college 1
engg.   1
is   1
hdoop@rak123-Inspiron-5559:~$ cat data.txt
Hello PICT
PICT is engg. college
hdoop@rak123-Inspiron-5559:~$

hadoop jar ~/hadoop-3.3.2/share/hadoop/mapreduce/hadoop-mapreduce-examples-3.3.2.jar wordcount
rtest output
2022-04-22 09:50:17,979 INFO client.DefaultNoHARMFailoverProxyProvider: Connecting to
ResourceManager at /127.0.0.1:8032