```
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ start-all.sh
WARNING: Attempting to start all Apache Hadoop daemons as hdoop in 10 seconds.
WARNING: This is not a recommended production deployment configuration.
WARNING: Use CTRL-C to abort.
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [yadhnesh-Lenovo-IdeaPad-S145-15IKB]
2024-05-01 01:42:57,574 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Starting resourcemanager
Starting nodemanagers
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ ssh localhost
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-28-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
2 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

2 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm


1 updates could not be installed automatically. For more details,
see /var/log/unattended-upgrades/unattended-upgrades.log
Last login: Wed May  1 01:28:19 2024 from 127.0.0.1
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -mkdir wordCount_12
2024-05-01 01:43:46,932 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -mkdir wordCount_12/input
2024-05-01 01:43:56,749 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ export HADOOP_CLASSPATH=$(hadoop
classpath)
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ echo ${HADOOP_CLASSPATH}
/home/hdoop/hadoop-3.3.6/etc/hadoop:/home/hdoop/hadoop-3.3.6/share/hadoop/
common/lib/*:/home/hdoop/hadoop-3.3.6/share/hadoop/common/*:/home/hdoop/hadoop-
3.3.6/share/hadoop/hdfs:/home/hdoop/hadoop-3.3.6/share/hadoop/hdfs/lib/*:/home/
hdoop/hadoop-3.3.6/share/hadoop/hdfs/*:/home/hdoop/hadoop-3.3.6/share/hadoop/
mapreduce/*:/home/hdoop/hadoop-3.3.6/share/hadoop/yarn:/home/hdoop/hadoop-
3.3.6/share/hadoop/yarn/lib/*:/home/hdoop/hadoop-3.3.6/share/hadoop/yarn/*:/
usr/lib/jvm/java-8-openjdk-amd64/lib/tools.jar
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -put
'/home/hdoop/passage.txt' WordCount_12/input
2024-05-01 01:46:27,484 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: `WordCount_12/input': No such file or directory:
`hdfs://127.0.0.1:9000/user/hdoop/WordCount_12/input'
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -put
'/home/hdoop/passage.txt' wordCount_12/input
2024-05-01 01:46:41,503 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ javac -classpath ${HADOOP_CLASSPATH}
-d durvesh '/home/hdoop/WordCount.java'
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~$ cd durvesh
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~/durvesh$ jar -cvf wordsCount.jar -
C /home/hdoop/durvesh .
added manifest
adding: WordCount$TokenizerMapper.class(in = 1736) (out= 752)(deflated 56%)
```

```
adding: WordCount$IntSumReducer.class(in = 1882) (out= 810)(deflated 56%)
adding: WordCount.class(in = 1491) (out= 815)(deflated 45%)
hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:~/durvesh$ hadoop jar
'/home/hdoop/durvesh/wordsCount.jar' WordCount wordCount_12/input
wordCount_12/output
2024-05-01 01:50:06,678 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
2024-05-01 01:50:07,874 INFO client.DefaultNoHARMFailoverProxyProvider:
Connecting to ResourceManager at /127.0.0.1:8032
2024-05-01 01:50:08,581 WARN mapreduce.JobResourceUploader: Hadoop command-line
option parsing not performed. Implement the Tool interface and execute your
application with ToolRunner to remedy this.
2024-05-01 01:50:08,679 INFO mapreduce.JobResourceUploader: Disabling Erasure
Coding for path: /tmp/hadoop-yarn/staging/hdoop/.staging/job_1714507989400_0001
2024-05-01 01:50:09,273 INFO input.FileInputFormat: Total input files to process
: 1
2024-05-01 01:50:09,633 INFO mapreduce.JobSubmitter: number of splits:1
2024-05-01 01:50:10,325 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1714507989400_0001
2024-05-01 01:50:10,326 INFO mapreduce.JobSubmitter: Executing with tokens: []
2024-05-01 01:50:10,910 INFO conf.Configuration: resource-types.xml not found
2024-05-01 01:50:10,911 INFO resource.ResourceUtils: Unable to find
'resource-types.xml'.
2024-05-01 01:50:11,603 INFO impl.YarnClientImpl: Submitted application
application_1714507989400_0001
2024-05-01 01:50:11,751 INFO mapreduce.Job: The url to track the job:
http://yadhnesh-Lenovo-IdeaPad-S145-15IKB:8088/proxy/application_1714507989400_0
001/
2024-05-01 01:50:11,752 INFO mapreduce.Job: Running job: job_1714507989400_0001
2024-05-01 01:50:35,294 INFO mapreduce.Job: Job job_1714507989400_0001 running
in uber mode : false
2024-05-01 01:50:35,690 INFO mapreduce.Job:  map 0% reduce 0%
2024-05-01 01:50:47,327 INFO mapreduce.Job:  map 100% reduce 0%
2024-05-01 01:50:55,407 INFO mapreduce.Job:  map 100% reduce 100%
2024-05-01 01:50:59,461 INFO mapreduce.Job: Job job_1714507989400_0001 completed
successfully
2024-05-01 01:50:59,922 INFO mapreduce.Job: Counters: 54
        File System Counters
                FILE: Number of bytes read=86
                FILE: Number of bytes written=551641
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=178
                HDFS: Number of bytes written=52
                HDFS: Number of read operations=8
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
                HDFS: Number of bytes read erasure-coded=0
        Job Counters
                Launched map tasks=1
                Launched reduce tasks=1
                Data-local map tasks=1
                Total time spent by all maps in occupied slots (ms)=8540
                Total time spent by all reduces in occupied slots (ms)=5263
                Total time spent by all map tasks (ms)=8540
                Total time spent by all reduce tasks (ms)=5263
                Total vcore-milliseconds taken by all map tasks=8540
                Total vcore-milliseconds taken by all reduce tasks=5263
                Total megabyte-milliseconds taken by all map tasks=8744960
                Total megabyte-milliseconds taken by all reduce tasks=5389312
        Map-Reduce Framework
                Map input records=1
                Map output records=9
```

```
                Map output bytes=86
                Map output materialized bytes=86
                Input split bytes=128
                Combine input records=9
                Combine output records=7
                Reduce input groups=7
                Reduce shuffle bytes=86
                Reduce input records=7
                Reduce output records=7
                Spilled Records=14
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=140
                CPU time spent (ms)=2940
                Physical memory (bytes) snapshot=539009024
                Virtual memory (bytes) snapshot=5089251328
                Total committed heap usage (bytes)=407371776
                Peak Map Physical memory (bytes)=324653056
                Peak Map Virtual memory (bytes)=2541924352
                Peak Reduce Physical memory (bytes)=215928832
                Peak Reduce Virtual memory (bytes)=2549129216
        Shuffle Errors
                BAD_ID=0
                CONNECTION=0
                IO_ERROR=0
                WRONG_LENGTH=0
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=50
        File Output Format Counters
                Bytes Written=52
```

hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:**~/durvesh**$ hadoop fs -cat
wordCount_12/output/*
2024-05-01 01:51:35,363 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable

```
I       1
Om.     1
am      1
hello   2
khairnar        1
shubham 1
ujwal   2
```

hdoop@yadhnesh-Lenovo-IdeaPad-S145-15IKB:**~/durvesh**$