```
hduser@bmsce-Precision-T1700:~$ su hduser\
> ^C
hduser@bmsce-Precision-T1700:~$ ^C hduser@bmsce-Precision-T1700:~$ su
hduserPassword:
hduser@bmsce-Precision-T1700:~$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.shStarting namenodes on [localhost] hduser@localhost's password:
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-hduser-namenode-bmsce-
Precision-T1700. out hduser@localhost's password: localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-hduser-datanode-bmsce-Precision-T1700. out
Starting secondary namenodes
[0.0.0.0] hduser@0.0.0.0's password:
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-hduser-secondarynamenode-bmsce-Precision-T1700. out
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resourcemanager-bmsce-
Precision-T1700. out
hduser@localhost's password:
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-nodemanager-bmsce-Precision-T1700.out
             ce-Precision-T1700:~$
jps7328 Jps
6497 DataNode
4372 org. eclipse. equinox. launcher_1.5.600. v20191014-2022. jar
6325 NameNode
7206 NodeManager
6872 ResourceManager
6713 SecondaryNameNode
hduser@bmsce-Precision-T1700:~$ cat >
sample. txthi im kusum
i am learing
hadoophadoop is
awesome
C
hduser@bmsce-Precision-T1700:~$ cat
sample. txthi im kusum
i am learing
hadoophadoop is
awesome
hduser@bmsce-Precision-T1700:~$ hdfs dfs
-ls /Found 18 items
                                                                         12:
                                                     0
                                                          2022-06-
                                                                                /CSE
 drwxr-xr-
                              supergroup
                                                                          35
                  hduser
                                                              06
 Χ
                              supergroup
                                                     0
                                                          2022-06-
                                                                         12:
                                                                                /FFF
 drwxr-xr-
                  hduser
                                                              06
                                                                          23
 Χ
                                                     0
                                                                         12:
                                                          2022-06-
                                                                                /LLL
 drwxr-xr-
                              supergroup
                                                              06
                                                                          36
                  hduser
 X
                                                     0
                                                          2022-06-
                                                                         12:
 drwxr-xr-
                              supergroup
                                                                                /amit bda
                  hduser
                                                              20
                                                                          06
 X
                                                     0
                                                          2022-06-
                                                                         14:
                                                                                /bharath
 drwxr-xr-
                              supergroup
                                                                          52
                  hduser
                                                              03
 X
                                                     0
                                                          2022-06-
                                                                         14:
 drwxr-xr-
                              supergroup
                                                                          43
                  hduser
                                                              03
                                                                                bharath03
                                                     0
                                                           2022-05-
                                                                         10:
 drwxr-xr-
                                                                                /example
                              supergroup
                                                                          21
                  hduser
                                                              31
 Χ
                                                     0
                                                           2022-06-
                                                                         15:
                              supergroup
 drwxr-xr-
                                                                          13
                  hduser
                                                              01
                                                                                foldernew
 X
```

drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	15: 04	/ hemang061
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	12: 27	/irfan
drwxr-xr- x	- hduser	supergroup	0	2022-06- 01	15: 09	/muskan
drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	15: 04	/ new_folde r
drwxr-xr- x	- hduser	supergroup	0	2022-05- 31	10: 26	/one
drwxr-xr- x	- hduser	supergroup	0	2022-06- 20	12: 17	/output
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	12: 08	/saurab
drwxrwxr- x	- hduser	supergroup	0	2019-08- 01	16: 19	/tmp
drwxr-xr- x	hduser	supergroup	0	2019-08- 01	16: 03	/user

drwxr-xr-x - hduser supergroup 0 2022-06-01 09:46 / user1hduser@bmsce-Precision-T1700: \$ hdfs dfs -mkdir /input_kusum hduser@bmsce-Precision-T1700: \$ hdfs dfs -ls /

Found 19 items

drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	12: 35	/CSE
drwxr-xr- x	- hduser	supergroup	0	2022-06- 06		/FFF
drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	12: 36	/LLL
drwxr-xr- x	- hduser	supergroup	0	2022-06- 20	12: 06	/amit_bda
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	14: 52	/bharath
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	14: 43	/bharath035
drwxr-xr- x	- hduser	supergroup	0	2022-05- 31		/example
drwxr-xr- x	- hduser	supergroup	0	2022-06- 01	15: 13	/foldernew
drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	15: 04	/hemang061
drwxr-xr- x	- hduser	supergroup	0	2022-06- 20		/input_kusum
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	12: 27	/irfan
drwxr-xr- x	- hduser	supergroup	0	2022-06- 01	15: 09	/muskan
drwxr-xr- x	- hduser	supergroup	0	2022-06- 06	15: 04	/new_folder
drwxr-xr- x	- hduser	supergroup	0	2022-05- 31	10: 26	/one
drwxr-xr- x	- hduser	supergroup	0	2022-06- 20	12: 17	/output
drwxr-xr- x	- hduser	supergroup	0	2022-06- 03	12: 08	/saurab
drwxrwxr- x	- hduser	supergroup	0	2019-08- 01	16: 19	/tmp
drwxr-xr- x	- hduser	supergroup	0	2019-08- 01	16: 03	/user
drwxr-xr- x	- hduser	supergroup	0	2022-06- 01	09: 46	/user1

hduser@bmsce-Precision-T1700: \$\ hdfs dfs -put /home/hduser/sample.txt /input_kusum hduser@bmsce-Precision-T1700: \$\ hdfs dfs -ls /input_kusum

Found 1 items -rw-r--r- 1 hduser supergroup 52 2022-06-20 15:15 /input_kusum/sample.txt hduser@bmsce-Precision-T1700: \$ hadoop jar /home/hduser/kusum/WordCount.jar WCDriver /input_kusum /input_kusum/output_kusum

^{22/06/20 15:16:44} INFO Configuration. deprecation: session. id is deprecated. Instead,

usedfs. metrics. session-id 22/06/20 15:16:44 INFO jvm. JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId= 22/06/20 15:16:44 INFO jvm. JvmMetrics: Cannot initialize JVM Metrics withprocessName=JobTracker, sessionId= - already initiali

```
22/06/20 15:16:44 INFO mapred. MapTask: Map output collector class = org. apache. hadoop. mapred. MapTask$MapOutputBuffer
 22/\overline{0}6/\overline{2}0 15:16:44 INFO mapred. Local JobRunner:
 22/06/20 15:16:44 INFO mapred. MapTask: Starting flush of map output 22/06/20 15:16:44 INFO mapred. MapTask: Spilling map output 22/06/20 15:16:44 INFO mapred. MapTask: bufstart = 0; bufend = 92; bufvoid = 10485760022/06/20 15:16:44 INFO mapred. MapTask: kvstart = 26214396(104857584); kvend = 26214360(104857440); length = 37/6553600 22/06/20 15:16:44 INFO mapred. MapTask: Finished spill 0
22/06/20 15:16:44 INFO mapred. Task: Task:attempt_local230197290_0001_m_0000000_0 is done. And
 outputsand 0 on-disk map-outputs
 22/06/20 15:16:44 INFO mapred Merger: Merging 1 sorted segments
 22/06/20 15:16:44 INFO mapred. Merger: Down to the last merge-pass, with 1 segments left oftotal size: 109 bytes 22/06/20 15:16:44 INFO reduce. MergeManagerImpl: Merged 1 segments, 114 bytes to disk to
 satisfyreduce memory limit 22/06/20 15:16:44 INFO reduce. MergeManagerImpl: Merging 1 files, 118 bytes from disk 22/06/20 15:16:44 INFO reduce. MergeManagerImpl: Merging 0 segments, 0 bytes from memory
 intoreduce 22/06/20 15:16:44 INFO mapred Merger: Merging 1 sorted segments
 22/06/20 15:16:44 INFO mapred. Merger: Down to the last merge-pass, with 1 segments left oftotal size: 109 bytes
 22/06/20 15:16:44 INFO mapred. LocalJobRunner: 1 / 1 copied.
 22/06/20 15:16:44 INFO mapred. Task: Task:attempt local230197290 0001 r 000000 0 is done. And
 isin the process of committing
 22/06/20 15:16:44 INFO mapred. Local JobRunner: 1 / 1 copied.
 22/06/20 15:16:44 INFO mapred Task: Task attempt local230197290 0001 r 000000 0 is allowed
 tocommit now 22/06/20 15:16:44 INFO output. FileOutputCommitter: Saved output of task attempt_local230197290_0001_r_000000_0' to hdfs://localhost:54310/input_kusum/output_kusum/_temporary/0/task_local230197290_0001_r_0000000 22/06/20 15:16:44 INFO mapred. LocalJobRunner: reduce > reduce
```

```
22/06/20 15:16:44 INFO mapred. Task: Task 'attempt_local230197290_0001_r_000000_0' done. 22/06/20 15:16:44 INFO mapred. LocalJobRunner: Finishing task: attempt_local230197290_0001_r_000000_0 22/06/20 15:16:44 INFO mapred. LocalJobRunner: reduce task executor complete.
22/06/20 15:16:45 INFO mapreduce. Job: Job job_local230197290_0001 running in uber mode: false22/06/20 15:16:45 INFO mapreduce. Job: map 100% reduce 100% 22/06/20 15:16:45 INFO mapreduce. Job: Job job_local230197290_0001 completed successfully22/06/20 15:16:45 INFO mapreduce. Job: Counters: 38 File System Counters
                            FILE: Number of bytes read=8462
FILE: Number of bytes
written=507630FILE: Number of read
                            operations=0
FILE: Number of large read
operations=0FILE: Number of write
operations=0 HDFS: Number of bytes
                            read=104
HDFS: Number of bytes written=63
HDFS: Number of bytes written=63
HDFS: Number of read operations=15
HDFS: Number of large read
operations=0HDFS: Number of write
operations=4
dues Framework
              Map-Reduce Framework
                            Map input records=3
Map output
                             records=10Map output
                             bytes=92
                            Map output materialized bytes=118Input split bytes=99 Combine input records=0 Combine output records=0Reduce input groups=9 Reduce shuffle bytes=118Reduce input records=10 Reduce output
                            records=10 Reduce output
records=9 Spilled
Records=20 Shuffled Maps
                             =1
                            Failed Shuffles=0
Merged Map outputs=1
GC time elapsed
                             (ms)=1CPU time spent
                             (ms) = 0
                             Physical memory (bytes)
                             snapshot=0Virtual memory (bytes)
                             snapshot=0
              Total committed heap usage (bytes)=471859200Shuffle Errors
BAD ID=0
CONNECTION=0
             CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=
OWRONG_REDUCE=0
File Input Format
CountersBytes
Road=52
                            Read=52
              File Output Format
                            CountersBytes
Written=63
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /input kusum
Found 2 items
drwxr-xr-x
                            - hduser supergroup
                                                                                            0 2022-06-20 15:16 /input_kusum/output_kusum
-rw-r--r-- 1 hduser supergroup 52 2022-06-20 15:15 /input_kushduser@bmsce-Precision-T1700: $ hdfs dfs -ls /input_kusum/output_kusum
                                                                                          52 2022-06-20 15:15 /input kusum/sample.txt
Found 2 items
-rw-r--r--
                                                                                            0 2022-06-20 15:16
                            1 hduser supergroup
/input kusum/output kusum/ SUCCESS
```