

## TopN

```

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
hduser@bmsce-Precision-T1700:~$ jps
5905 SecondaryNameNode
5100 ResourceManager
5566 Jps
5441 NodeManager
5691 DataNode
5517 NameNode
hduser@bmsce-Precision-T1700:~$ hadoop -fs ls
Error: No command named '-fs' was found. Perhaps you meant 'hadoop fs'
hduser@bmsce-Precision-T1700:~$ hadoop -fs ls /
Error: No command named '-fs' was found. Perhaps you meant 'hadoop fs'
hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /
Found 21 items
drwxr-xr-x - hduser supergroup      0 2023-05-11 13:59 /FFF
drwxr-xr-x - hduser supergroup      0 2023-05-11 14:22 /LLL
drwxr-xr-x - hduser supergroup      0 2023-05-17 10:14 /home
-rw-r--r-- 1 hduser supergroup     89 2022-07-11 13:12 /inp
drwxr-xr-x - hduser supergroup      0 2022-07-11 13:04 /input
drwxr-xr-x - hduser supergroup      0 2023-05-04 13:05 /inputbda
drwxr-xr-x - hduser supergroup      0 2023-05-08 09:38 /new_folder
drwxr-xr-x - hduser supergroup      0 2022-06-14 10:14 /output
drwxr-xr-x - hduser supergroup      0 2023-05-04 13:08 /outputbda
drwxr-xr-x - hduser supergroup      0 2023-05-17 10:55 /rgs
drwxr-xr-x - hduser supergroup      0 2023-05-17 10:59 /rgshduser
drwxr-xr-x - hduser supergroup      0 2022-07-11 13:02 /sakshi
drwxr-xr-x - hduser supergroup      0 2023-04-27 12:36 /sayan2
drwxr-xr-x - hduser supergroup      0 2023-05-12 11:57 /tempinput
drwxr-xr-x - hduser supergroup      0 2023-05-19 11:42 /tempinputmeanmax
drwxr-xr-x - hduser supergroup      0 2023-05-12 12:40 /tempout
drwxr-xr-x - hduser supergroup      0 2023-05-19 11:45 /tempoutmeanmax
drwxr-xr-x - hduser supergroup      0 2022-07-11 13:29 /testinp
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 2022-06-22 10:06 /vgs
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mkdir /input_dir
hduser@bmsce-Precision-T1700:~$ hadoop fs -copyFromLocal /home/hduser/Desktop/sample.txt /input_dir/opfile.txt

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```

at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:62)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
hduser@bmsce-Precision-T1700:~$ hadoop jar /home/hduser/Desktop/TopN.jar topn.TopN /input_dir/opfile.txt /output1
23/05/25 11:09:33 INFO Configuration.deprecation: session.id is deprecated. Instead, use dfs.metrics.session-id
23/05/25 11:09:33 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId=
23/05/25 11:09:33 INFO input.FileInputFormat: Total input paths to process : 1
23/05/25 11:09:33 INFO mapreduce.JobSubmitter: number of splits:1
23/05/25 11:09:33 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local242858687 0001
23/05/25 11:09:33 INFO mapreduce.Job: The url to track the job: http://localhost:8080/job/job_local242858687/

```

```

hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /output1
Found 2 items
-rw-r--r-- 1 hduser supergroup      0 2023-05-25 11:09 /output1/_SUCCESS
-rw-r--r-- 1 hduser supergroup     69 2023-05-25 11:09 /output1/part-r-00000
hduser@bmsce-Precision-T1700:~$ hadoop fs -cat ^C
hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /output1/part-r-00000
-rw-r--r-- 1 hduser supergroup     69 2023-05-25 11:09 /output1/part-r-00000
hduser@bmsce-Precision-T1700:~$ hadoop fs -cat /output1/part-r-00000
how      5
your     4
is       4
brother  1
are      1
hi       1
sister  1
family  1
you      1
job      1

```



USN : 1BM20CS195

## Join program

```
java.lang.reflect.Method.invoke(Method.java:490)
org.apache.hadoop.util.RunJar.run(RunJar.java:221)
org.apache.hadoop.util.RunJar.main(RunJar.java:136)
bmsce-Precision-T1700:~$ hdfs dfs -copyFromLocal /home/hduser/Downloads/MapReduceJoin3/MapReduceJoin/DeptStrength.txt /home/hduser/Downloads/MapReduceJoin3/MapReduceJoin/DeptName.txt /input
bmsce-Precision-T1700:~$ hadoop jar /home/hduser/Downloads/MapReduceJoin3/MapReduceJoin/MapReduceJoin.jar /input/DeptStrength.txt /input/DeptName.txt /output_join
12:00:11 INFO Configuration.deprecation: session.id is deprecated. Instead, use dfs.metrics.session-id
12:00:11 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId=
12:00:11 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId= - already initialized
```

```
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /output_join
Found 2 items
-rw-r--r-- 1 hduser supergroup 0 2023-05-25 12:00 /output_join/_SUCCESS
-rw-r--r-- 1 hduser supergroup 85 2023-05-25 12:00 /output_join/part-000000
hduser@bmsce-Precision-T1700:~$ hdfs dfs -cat part-000000
cat: 'part-000000': No such file or directory
hduser@bmsce-Precision-T1700:~$ hdfs dfs -cat /output_join/part-000000
A11 50 Finance
B12 100 HR
C13 250 Manufacturing
Dept_ID Total_Employee Dept_Name
hduser@bmsce-Precision-T1700:~$
```



