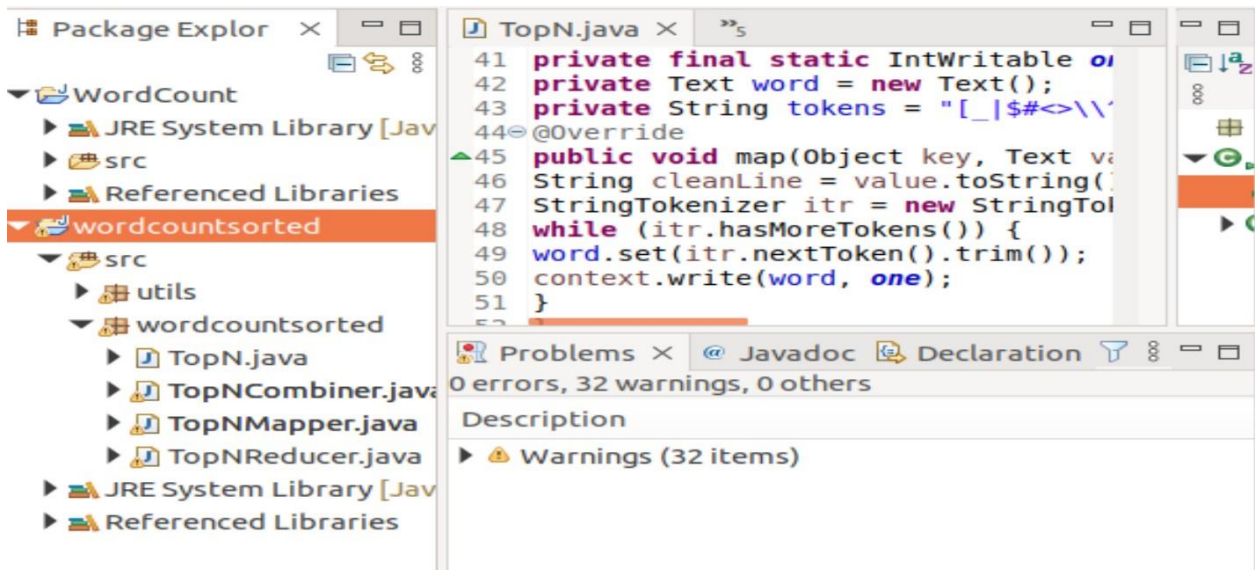


## WEEK 7 BDA LAB

### USN:1BM19CS109

NAME: P PREM SAI

MapReduce top n program.



```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -mkdir /input
2022-06-27 21:59:42,586 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
mkdir: `/input': File exists
hadoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -put /home/hadoop/Documents/b.txt /input
2022-06-27 22:00:59,014 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
put: `/input/b.txt': File exists
hadoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -put /home/hadoop/Documents/b.txt /inputt
2022-06-27 22:01:16,095 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hadoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -ls /inputt
2022-06-27 22:01:33,726 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
-rw-r--r-- 1 hadoop supergroup 15 2022-06-20 16:51 /inputt/a.txt
-rw-r--r-- 1 hadoop supergroup 38 2022-06-27 22:01 /inputt/b.txt
drwxr-xr-x - hadoop supergroup 0 2022-06-20 16:52 /inputt/output
```

```

hadoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hadoop jar /home/hadoop/abcc.jar
rdcountsSorted.TopN /inputt/b.txt inputt/outputword
2022-06-27 22:04:38,323 WARN util.NativeCodeLoader: Unable to load native-had
p library for your platform... using builtin-java classes where applicable
2022-06-27 22:04:38,935 INFO client.RMPProxy: Connecting to ResourceManager at
127.0.0.1:8032
2022-06-27 22:04:41,006 INFO mapreduce.JobResourceUploader: Disabling Erasure
coding for path: /tmp/hadoop-yarn/staging/hadoop/.staging/job_1656347109888_000
2022-06-27 22:04:43,074 INFO input.FileInputFormat: Total input files to proc
s : 1
2022-06-27 22:04:44,155 INFO mapreduce.JobSubmitter: number of splits:1
2022-06-27 22:04:46,060 INFO mapreduce.JobSubmitter: Submitting tokens for jo
job_1656347109888_0001
2022-06-27 22:04:46,062 INFO mapreduce.JobSubmitter: Executing with tokens: [
2022-06-27 22:04:47,101 INFO conf.Configuration: resource-types.xml not found
2022-06-27 22:04:47,102 INFO resource.ResourceUtils: Unable to find 'resource
types.xml'.
2022-06-27 22:04:47,939 INFO impl.YarnClientImpl: Submitted application appli
tion_1656347109888_0001
2022-06-27 22:04:48,055 INFO mapreduce.Job: The url to track the job: http://
sharat-VirtualBox:8088/proxy/application_1656347109888_0001/
2022-06-27 22:04:48,057 INFO mapreduce.Job: Running job: job_1656347109888_00
2022-06-27 22:05:09,095 INFO mapreduce.Job: Job job_1656347109888_0001 runnin
in uber mode : false
2022-06-27 22:05:09,099 INFO mapreduce.Job: map 0% reduce 0%
2022-06-27 22:05:15,053 INFO mapreduce.Job: map 100% reduce 0%
2022-06-27 22:05:39,007 INFO mapreduce.Job: map 100% reduce 100%

```

```

Reduce input records=8
Reduce output records=5
Spilled Records=16
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=1043
CPU time spent (ms)=2790
Physical memory (bytes) snapshot=64
Virtual memory (bytes) snapshot=516
Total committed heap usage (bytes)=
Peak Map Physical memory (bytes)=44
Peak Map Virtual memory (bytes)=257
Peak Reduce Physical memory (bytes)
Peak Reduce Virtual memory (bytes)=
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=38
File Output Format Counters
Bytes Written=35

```

```
hdoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -ls inputt/outputword
2022-06-27 22:08:26,995 WARN util.NativeCodeLoader: Unable to load native-hadoo
p library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r--  1 hdoop supergroup          0 2022-06-27 22:05 inputt/outputword/_
SUCCESS
-rw-r--r--  1 hdoop supergroup        35 2022-06-27 22:05 inputt/outputword/p
art-r-00000
hdoop@sharat-VirtualBox:~/hadoop-3.2.3/sbin$ hdfs dfs -cat inputt/outputword/pa
rt-r-00000
2022-06-27 22:09:12,199 WARN util.NativeCodeLoader: Unable to load native-hadoo
p library for your platform... using builtin-java classes where applicable
test      2
is        2
this      2
a         1
important 1
```