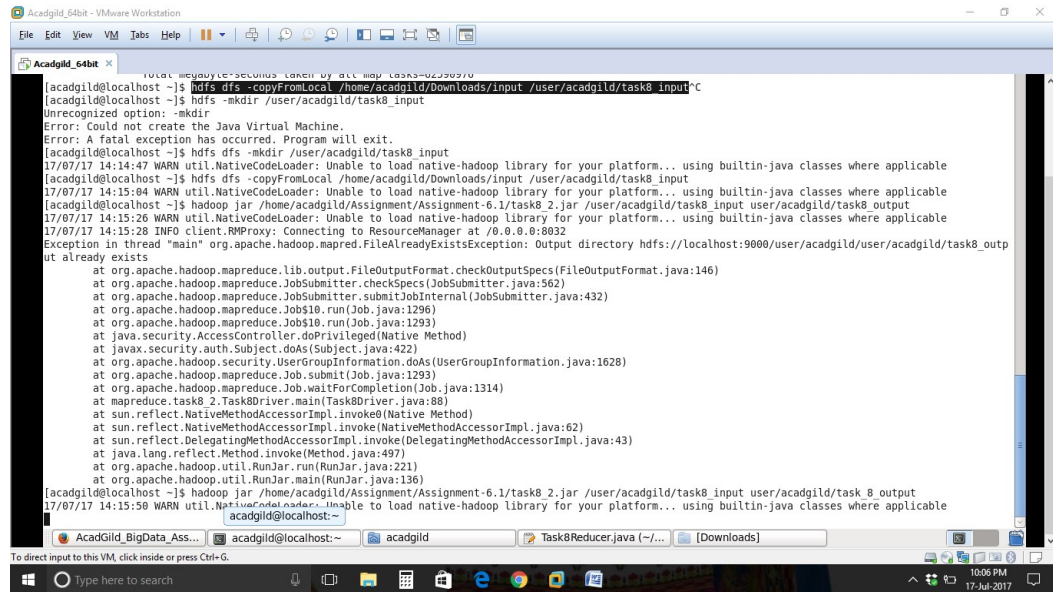


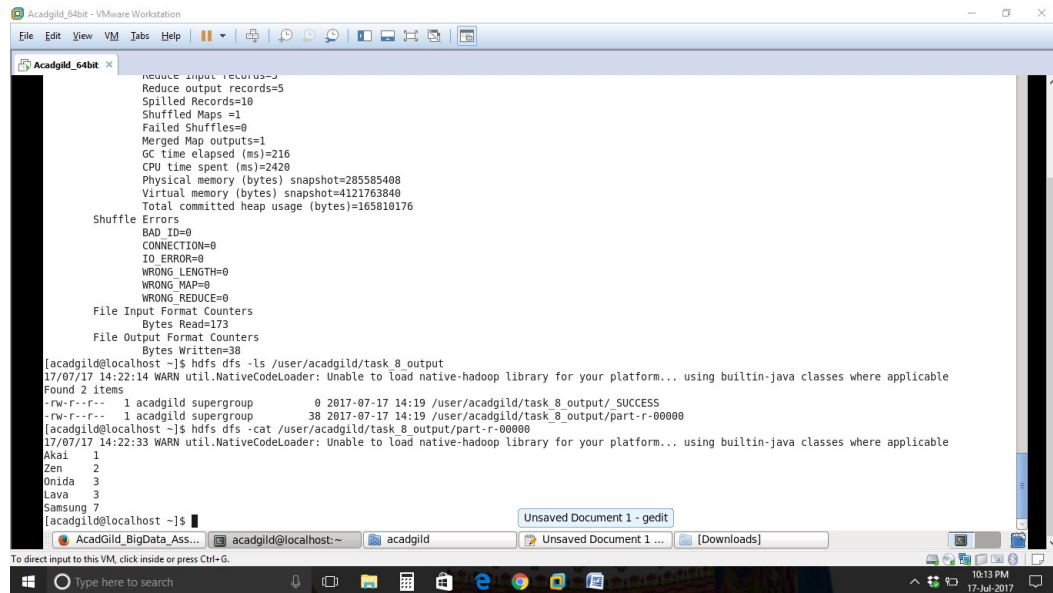
Assignment 6.1 Screenshots

Executing the jar file with input and output path



```
[acadgild@localhost ~]$ hdfs dfs -copyFromLocal /home/acadgild/Downloads/input /user/acadgild/task8_input
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/acadgild/task8_input
Unrecognized option: -mkdir
Error: Could not create the Java Virtual Machine.
Error: A fatal exception has occurred. Program will exit.
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/acadgild/task8_input
17/07/17 14:14:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hdfs dfs -copyFromLocal /home/acadgild/Downloads/input /user/acadgild/task8_input
17/07/17 14:15:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop jar /home/acadgild/Assignment/Assignment-6.1/task8_2.jar /user/acadgild/task8_input user/acadgild/task8_output
17/07/17 14:15:26 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
17/07/17 14:15:28 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
Exception in thread "main" org.apache.hadoop.mapred.FileAlreadyExistsException: Output directory hdfs://localhost:9000/user/acadgild/user/acadgild/task8_output already exists
    at org.apache.hadoop.mapreduce.lib.output.FileOutputFormat.checkOutputSpecs(FileOutputFormat.java:146)
    at org.apache.hadoop.mapreduce.JobSubmitter.checkSpecs(JobSubmitter.java:562)
    at org.apache.hadoop.mapreduce.JobSubmitter.submitJobInternal(JobSubmitter.java:432)
    at org.apache.hadoop.mapreduce.Job$10.run(Job.java:1296)
    at org.apache.hadoop.mapreduce.Job$10.run(Job.java:1293)
    at java.security.AccessController.doPrivileged(Native Method)
    at javax.security.auth.Subject.doAs(Subject.java:422)
    at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1628)
    at org.apache.hadoop.mapreduce.Job.submit(Job.java:1293)
    at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1314)
    at mapreduce.task8_2.Task8Driver.main(Task8Driver.java:88)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:497)
    at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
    at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
[acadgild@localhost ~]$ hadoop jar /home/acadgild/Assignment/Assignment-6.1/task8_2.jar /user/acadgild/task8_input user/acadgild/task8_output
17/07/17 14:15:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
acadgild@localhost:~
```

Output Screenshot



```
Reduce input records=5
Reduce output records=5
Spilled Records=10
Shuffled Maps=1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=216
CPU time spent (ms)=2420
Physical memory (bytes) snapshot=285585408
Virtual memory (bytes) snapshot=4121763840
Total committed heap usage (bytes)=165810176

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=173

File Output Format Counters
Bytes Written=38

[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/task8_output
17/07/17 14:22:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 0 2017-07-17 14:19 /user/acadgild/task8_output/_SUCCESS
-rw-r--r-- 1 acadgild supergroup 38 2017-07-17 14:19 /user/acadgild/task8_output/part-r-000000
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/task8_output/part-r-000000
17/07/17 14:22:33 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Akai 1
Zen 2
Onida 3
Lava 3
Samsung 7
[acadgild@localhost ~]$
```