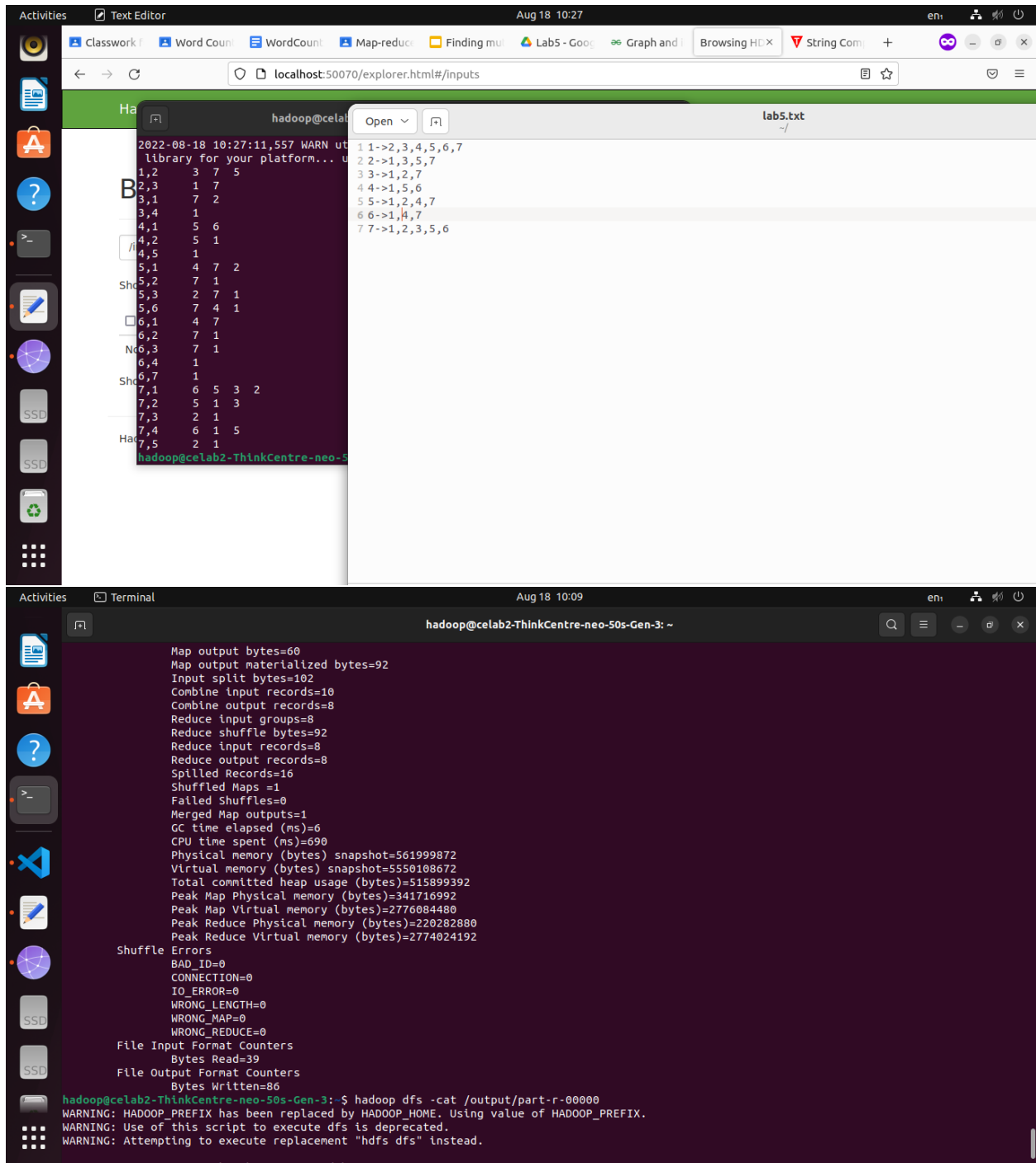


LAB 05

-Jainil Trivedi (CE166)



The screenshot displays a Linux desktop environment. The top panel shows the date and time as 'Aug 18 10:27'. The browser window is open to 'localhost:50070/explorer.html#/inputs'. The terminal window shows the output of a Hadoop command, displaying various statistics and warnings.

```
2022-08-18 10:27:11,557 WARN ut
library for your platform... u
1,2 3 7 5
2,3 1 7
3,1 7 2
3,4 1
4,1 5 6
4,2 5 1
4,5 1
5,1 4 7 2
5,2 7 1
5,3 2 7 1
5,6 7 4 1
6,1 4 7
6,2 7 1
6,3 7 1
6,4 1
6,7 1
7,1 6 5 3 2
7,2 5 1 3
7,3 2 1
7,4 6 1 5
7,5 2 1

1 1->2,3,4,5,6,7
2 2->1,3,5,7
3 3->1,2,7
4 4->1,5,6
5 5->1,2,4,7
6 6->1,4,7
7 7->1,2,3,5,6

Map output bytes=60
Map output materialized bytes=92
Input split bytes=102
Combine input records=10
Combine output records=8
Reduce input groups=8
Reduce shuffle bytes=92
Reduce input records=8
Reduce output records=8
Spilled Records=16
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=6
CPU time spent (ms)=690
Physical memory (bytes) snapshot=561999872
Virtual memory (bytes) snapshot=5550108672
Total committed heap usage (bytes)=515899392
Peak Map Physical memory (bytes)=341716992
Peak Map Virtual memory (bytes)=2776084480
Peak Reduce Physical memory (bytes)=220282880
Peak Reduce Virtual memory (bytes)=2774024192

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=39
File Output Format Counters
Bytes Written=86

hadoop@celab2-ThinkCentre-neo-50s-Gen-3: ~$ hadoop dfs -cat /output/part-r-00000
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
WARNING: Use of this script to execute dfs is deprecated.
WARNING: Attempting to execute replacement "hdfs dfs" instead.
```

```
Activities Terminal Aug 18 10:08 en:
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: ~

2 errors
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $ hadoop com.sun.tools.javac.Main WordCount.java
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $ jar cf wc.jar WordCount*.class
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $ javac -cp `hadoop classpath` WordCount.java
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $ jar cf wc.jar WordCount*.class
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-08-18 10:07:43,174 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
2022-08-18 10:07:43,454 INFO client.DefaultNoHARMFalloverProxyProvider: Connecting to ResourceManager at localhost/127.0.0.1:8032
2022-08-18 10:07:43,587 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
2022-08-18 10:07:43,596 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/hadoop/.staging/job_1660794479896_0006
2022-08-18 10:07:43,704 INFO input.FileInputFormat: Total input files to process : 1
2022-08-18 10:07:43,730 INFO mapreduce.JobSubmitter: number of splits:1
2022-08-18 10:07:43,819 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1660794479896_0006
2022-08-18 10:07:43,819 INFO mapreduce.JobSubmitter: Executing with tokens: []
2022-08-18 10:07:43,900 INFO conf.Configuration: resource-types.xml not found
2022-08-18 10:07:43,900 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2022-08-18 10:07:43,925 INFO impl.YarnClientImpl: Submitted application application_1660794479896_0006
2022-08-18 10:07:43,940 INFO mapreduce.Job: The url to track the job: http://celab2-ThinkCentre-neo-50s-Gen-3:8088/proxy/application_1660794479896_0006/
2022-08-18 10:07:43,940 INFO mapreduce.Job: Running job: job_1660794479896_0006
2022-08-18 10:07:47,983 INFO mapreduce.Job: Job job_1660794479896_0006 running in uber mode : false
2022-08-18 10:07:47,985 INFO mapreduce.Job: map 0% reduce 0%
2022-08-18 10:07:51,034 INFO mapreduce.Job: map 100% reduce 0%
2022-08-18 10:07:55,053 INFO mapreduce.Job: map 100% reduce 100%
2022-08-18 10:07:56,071 INFO mapreduce.Job: Job job_1660794479896_0006 completed successfully
2022-08-18 10:07:56,122 INFO mapreduce.Job: Counters: 54
File System Counters
  FILE: Number of bytes read=92
  FILE: Number of bytes written=551577
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0

Merged Map outputs=1
GC time elapsed (ms)=6
CPU time spent (ms)=690
Physical memory (bytes) snapshot=561999872
Virtual memory (bytes) snapshot=5550108672
Total committed heap usage (bytes)=515899392
Peak Map Physical memory (bytes)=341716992
Peak Map Virtual memory (bytes)=2776084480
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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=39
File Output Format Counters
  Bytes Written=86
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $ hadoop dfs -cat /output/part-r-00000
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
WARNING: Use of this script to execute dfs is deprecated.
WARNING: Attempting to execute replacement "hdfs dfs" instead.
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-08-18 10:08:04,971 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
1,2 5
1,3 2
1,4 5
1,5 4 2
2,4 5 1
2,5 1
3,5 2
4,5 1
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: $
```