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bigdata@bigdata-
VirtualBox:~/Desktop/Assignment1$ $HADOOP_HOME/sbin/start-all.sh
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ export
HADOOP_CLASSPATH=$(HADOOP_HOME/bin/hadoop classpath)
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ javac -cp
${HADOOP_CLASSPATH} solution2.java
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ jar cvf solution2.jar
solution2*.class
added manifest
adding: solution2.class(in = 1713) (out= 918) (deflated 46%)
adding: solution2$FilterMapper.class(in = 2338) (out= 1037) (deflated 55%)
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ $HADOOP_HOME/bin/hadoop
fs -put solution2.jar
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ fs -put sales.txt
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ $HADOOP_HOME/bin/hadoop
jar solution2.jar solution2 45 3 5 sales.txt /user/output/
21/04/22 12:40:50 INFO client.RMProxy: Connecting to ResourceManager at
bigdata-VirtualBox/10.0.2.15:8032
21/04/22 12:40:51 INFO input.FileInputFormat: Total input paths to
process : 1
21/04/22 12:40:51 INFO mapreduce.JobSubmitter: number of splits:1
21/04/22 12:40:51 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1619057478263_0008
21/04/22 12:40:51 INFO impl.YarnClientImpl: Submitted application
application_1619057478263_0008
21/04/22 12:40:51 INFO mapreduce.Job: The url to track the job:
http://bigdata-VirtualBox:8088/proxy/application_1619057478263_0008/
21/04/22 12:40:51 INFO mapreduce.Job: Running job: job_1619057478263_0008
21/04/22 12:40:58 INFO mapreduce.Job: Job job_1619057478263_0008 running
in uber mode : false
21/04/22 12:40:58 INFO mapreduce.Job:  map 0% reduce 0%
21/04/22 12:41:02 INFO mapreduce.Job:  map 100% reduce 0%
21/04/22 12:41:03 INFO mapreduce.Job: Job job_1619057478263_0008
completed successfully
21/04/22 12:41:03 INFO mapreduce.Job: Counters: 30
  File System Counters
    FILE: Number of bytes read=0
    FILE: Number of bytes written=118812
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=209
    HDFS: Number of bytes written=31
    HDFS: Number of read operations=5
    HDFS: Number of large read operations=0
    HDFS: Number of write operations=2
  Job Counters
    Launched map tasks=1
    Data-local map tasks=1
    Total time spent by all maps in occupied slots (ms)=2536
    Total time spent by all reduces in occupied slots (ms)=0
    Total time spent by all map tasks (ms)=2536
    Total vcore-milliseconds taken by all map tasks=2536
    Total megabyte-milliseconds taken by all map tasks=2596864
  Map-Reduce Framework
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Map input records=12
Map output records=4
Input split bytes=109
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=60
CPU time spent (ms)=550
Physical memory (bytes) snapshot=166174720
Virtual memory (bytes) snapshot=1911332864
Total committed heap usage (bytes)=92798976
File Input Format Counters
  Bytes Read=100
File Output Format Counters
  Bytes Written=31
21/04/22 12:40:50 INFO client.RMPProxy: Connecting to ResourceManager at
bigdata-VirtualBox/10.0.2.15:8032
21/04/22 12:40:51 INFO input.FileInputFormat: Total input paths to
process : 1
21/04/22 12:40:51 INFO mapreduce.JobSubmitter: number of splits:1
21/04/22 12:40:51 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1619057478263_0008
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    Map output records=4
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    Spilled Records=0

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Total committed heap usage (bytes)=92798976
File Input Format Counters
  Bytes Read=100
File Output Format Counters
  Bytes Written=31
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ $HADOOP_HOME/bin/hadoop
fs -ls /user/output
Found 2 items
-rw-r--r--    1 bigdata supergroup          0 2021-04-22 12:41
/user/output/_SUCCESS
-rw-r--r--    1 bigdata supergroup        31 2021-04-22 12:41
/user/output/part-m-00000
bigdata@bigdata-VirtualBox:~/Desktop/Assignment1$ $HADOOP_HOME/bin/hadoop
fs -cat /user/output/part-m-00000
bolt 45
washer    3
nail 5
bolt 5
```