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//STUDENT NAME: KENDRICK KEE
//UOW ID: 7366814
//Output from terminal
```

```
bigdata@bigdata-VirtualBox:~/Desktop/INFO312/Assignment 1$
```

```
$HADOOP_HOME/bin/hadoop fs -cat sales.txt
```

```
bolt 45
```

```
washer 3
```

```
screw 67
```

```
screw 23
```

```
nail 5
```

```
screw 78
```

```
bolt 5
```

```
bolt 1
```

```
drill 1
```

```
drill 1
```

```
washer 56
```

```
washer 7
```

```
bigdata@bigdata-VirtualBox:~/Desktop/INFO312/Assignment 1$ javac -
classpath ${HADOOP_CLASSPATH} solution3.java
```

```
bigdata@bigdata-VirtualBox:~/Desktop/INFO312/Assignment 1$ jar cf
solution3.jar solution3*.class
```

```
bigdata@bigdata-VirtualBox:~/Desktop/INFO312/Assignment 1$
```

```
$HADOOP_HOME/bin/hadoop jar solution3.jar solution3 sales.txt
```

```
/user/output
```

```
22/04/16 18:29:45 INFO client.RMPProxy: Connecting to ResourceManager at
bigdata-VirtualBox/10.0.2.15:8032
```

```
22/04/16 18:29:46 WARN mapreduce.JobResourceUploader: Hadoop command-line
option parsing not performed. Implement the Tool interface and execute
your application with ToolRunner to remedy this.
```

```
22/04/16 18:29:46 INFO input.FileInputFormat: Total input paths to
process : 1
```

```
22/04/16 18:29:47 INFO mapreduce.JobSubmitter: number of splits:1
```

```
22/04/16 18:29:47 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1650071344200_0021
```

```
22/04/16 18:29:47 INFO impl.YarnClientImpl: Submitted application
application_1650071344200_0021
```

```
22/04/16 18:29:47 INFO mapreduce.Job: The url to track the job:
http://bigdata-VirtualBox:8088/proxy/application_1650071344200_0021/
```

```
22/04/16 18:29:47 INFO mapreduce.Job: Running job: job_1650071344200_0021
```

```
22/04/16 18:29:56 INFO mapreduce.Job: Job job_1650071344200_0021 running
in uber mode : false
```

```
22/04/16 18:29:56 INFO mapreduce.Job: map 0% reduce 0%
```

```
22/04/16 18:30:02 INFO mapreduce.Job: map 100% reduce 0%
```

```
22/04/16 18:30:10 INFO mapreduce.Job: map 100% reduce 100%
```

```
22/04/16 18:30:10 INFO mapreduce.Job: Job job_1650071344200_0021
```

```
completed successfully
```

```
22/04/16 18:30:11 INFO mapreduce.Job: Counters: 49
```

```
File System Counters
```

```
FILE: Number of bytes read=48
```

```
FILE: Number of bytes written=237627
```

```
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=6
```

```
HDFS: Number of large read operations=0
```

```

    HDFS: Number of write operations=2
Job Counters
    Launched map tasks=1
    Launched reduce tasks=1
    Data-local map tasks=1
    Total time spent by all maps in occupied slots (ms)=4210
    Total time spent by all reduces in occupied slots (ms)=5161
    Total time spent by all map tasks (ms)=4210
    Total time spent by all reduce tasks (ms)=5161
    Total vcore-milliseconds taken by all map tasks=4210
    Total vcore-milliseconds taken by all reduce tasks=5161
    Total megabyte-milliseconds taken by all map tasks=4311040
    Total megabyte-milliseconds taken by all reduce tasks=5284864
Map-Reduce Framework
    Map input records=12
    Map output records=24
    Map output bytes=291
    Map output materialized bytes=48
    Input split bytes=109
    Combine input records=24
    Combine output records=3
    Reduce input groups=3
    Reduce shuffle bytes=48
    Reduce input records=3
    Reduce output records=3
    Spilled Records=6
    Shuffled Maps =1
    Failed Shuffles=0
    Merged Map outputs=1
    GC time elapsed (ms)=200
    CPU time spent (ms)=2850
    Physical memory (bytes) snapshot=446627840
    Virtual memory (bytes) snapshot=3847585792
    Total committed heap usage (bytes)=325058560
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=100
File Output Format Counters
    Bytes Written=31
bigdata@bigdata-VirtualBox:~/Desktop/INFO312/Assignment 1$
$HADOOP_HOME/bin/hadoop fs -cat /user/output/part-r-00000
X long:      0 words
X short:     12 words
XX long:     0 words
long:        0 words
medium:      3 words
short:       9 words

```