Complie screen

```
cgray15@cscd-doop01:~$ hadoop com.sun.tools.javac.Main ./WordSearch.java
Note: ./WordSearch.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
cgray15@cscd-doop01:~$ jar cf wc.jar WordSearch*.class
cgray15@cscd-doop01:~$ ls
wc.jar  WordSearch.class  WordSearch$IntSumReducer.class  WordSearch.java  WordSearch$TokenizerMapper.class
```

run screen

```
cgray15@cscd-doop01:~$ hadoop jar ./wc.jar WordSearch user/cgray15/ws/input user/cgray15/ws/output luck
17/02/28 18:04:49 INFO client.RMProxy: Connecting to ResourceManager at cscd-doop01/146.187.135.37:8032
17/02/28 18:04:50 INFO input.FileInputFormat: Total input paths to process : 2
17/02/28 18:04:50 INFO mapreduce.JobSubmitter: number of splits:2
17/02/28 18:04:50 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1488295324594_0035
17/02/28 18:04:50 INFO impl.YarnClientImpl: Submitted application application_1488295324594_0035
17/02/28 18:04:50 INFO mapreduce.Job: The url to track the job: http://cscd-doop01:8088/proxy/application_1488295324594_0035/
17/02/28 18:04:50 INFO mapreduce.Job: Running job: job_1488295324594_0035
17/02/28 18:04:56 INFO mapreduce.Job: Job job_1488295324594_0035 running in uber mode : false
17/02/28 18:04:57 INFO mapreduce.Job:  map 0% reduce 0%
17/02/28 18:05:03 INFO mapreduce.Job:  map 100% reduce 0%
17/02/28 18:05:09 INFO mapreduce.Job:  map 100% reduce 100%
17/02/28 18:05:21 INFO mapreduce.Job: Job job_1488295324594_0035 completed successfully
17/02/28 18:05:21 INFO mapreduce.Job: Counters: 50
        File System Counters
                FILE: Number of bytes read=172
                FILE: Number of bytes written=346912
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=363
                HDFS: Number of bytes written=158
                HDFS: Number of read operations=9
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
        Job Counters
                Launched map tasks=2
                Launched reduce tasks=1
                Data-local map tasks=1
                Rack-local map tasks=1
                Total time spent by all maps in occupied slots (ms)=8066
                Total time spent by all reduces in occupied slots (ms)=3319
                Total time spent by all map tasks (ms)=8066
                Total time spent by all reduce tasks (ms)=3319
                Total vcore-seconds taken by all map tasks=8066
                Total vcore-seconds taken by all reduce tasks=3319
                Total megabyte-seconds taken by all map tasks=8259584
                Total megabyte-seconds taken by all reduce tasks=3398656
        Map-Reduce Framework
                Map input records=7
                Map output records=16
                Map output bytes=1303
                Map output materialized bytes=178
                Input split bytes=258
                Combine input records=16
                Combine output records=2
                Reduce input groups=2
                Reduce shuffle bytes=178
                Reduce input records=2
                Reduce output records=2
                Spilled Records=4
                Shuffled Maps =2
                Failed Shuffles=0
                Merged Map outputs=2
                GC time elapsed (ms)=196
                CPU time spent (ms)=2180
                Physical memory (bytes) snapshot=769138688
                Virtual memory (bytes) snapshot=2505179136
                Total committed heap usage (bytes)=524812288
        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=105
        File Output Format Counters
                Bytes Written=158
```

luck screen

```
[cgray15@cscd-doop01:~$ hadoop fs -cat user/cgray15/ws/output/part-r-00000
 luck hdfs://cscd-doop01:9000/user/cgray15/user/cgray15/ws/input/file1:0+45,    1
 luck hdfs://cscd-doop01:9000/user/cgray15/user/cgray15/ws/input/file2:0+60,    4
 cgray15@cscd-doop01:~$
```

world screen

```
          Bytes Written=240
[cgray15@cscd-doop01:~$ hadoop fs -cat user/cgray15/ws/output/part-r-00000
 world hdfs://cscd-doop01:9000/user/cgray15/user/cgray15/ws/input/file1:0+45,    2
 world hdfs://cscd-doop01:9000/user/cgray15/user/cgray15/ws/input/file2:0+60,    4
 world hdfs://cscd-doop01:9000/user/cgray15/user/cgray15/ws/input/file2:0+60,    3
 cgray15@cscd-doop01:~$
```