

## PART 1

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ ls  
Assignment6_input.txt Desktop eclipse-workspace Public Videos  
Assignment6.jar Documents install Templates  
Assignment7_input.txt Downloads Music test  
Assignment7.jar eclipse Pictures test.txt  
[acadgild@localhost ~]$  
[acadgild@localhost ~]$ hadoop fs -put Assignment7_input.txt /user/acadgild/hadoop  
18/05/13 04:36:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -put Assignment6.jar /user/acadgild/hadoop  
18/05/13 04:36:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ hadoop jar Assignment7.jar mapreduce.demo.task2.Task2_driver1 /user/acadgild/hadoop/Assignment7_input.txt /user/acadgild/hadoop/Assignment7_output1  
18/05/13 04:39:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
18/05/13 04:39:20 INFO client.RMPProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032  
18/05/13 04:39:21 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.  
18/05/13 04:39:22 INFO input.FileInputFormat: Total input paths to process : 1  
18/05/13 04:39:22 INFO mapreduce.JobSubmitter: number of splits:1  
18/05/13 04:39:22 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1526144009303_0009  
18/05/13 04:39:22 INFO impl.YarnClientImpl: Submitted application application_1526144009303_0009
```

```
File Edit View Search Terminal Help
Total vcore-milliseconds taken by all reduce tasks=4390
Total megabyte-milliseconds taken by all map tasks=4164608
Total megabyte-milliseconds taken by all reduce tasks=4495360
Map-Reduce Framework
  Map input records=18
  Map output records=17
  Map output bytes=176
  Map output materialized bytes=216
  Input split bytes=129
  Combine input records=0
  Combine output records=0
  Reduce input groups=5
  Reduce shuffle bytes=216
  Reduce input records=17
  Reduce output records=5
  Spilled Records=34
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=152
  CPU time spent (ms)=1230
  Physical memory (bytes) snapshot=296333312
  Virtual memory (bytes) snapshot=4118183936
  Total committed heap usage (bytes)=170004480
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=733
File Output Format Counters
  Bytes Written=38
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/Assignment7_output
1/part-r-00000
18/05/13 04:54:52 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Akai 1
Lava 3
Onida 4
Samsung 7
Zen 2
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

## PART 2

```
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop jar Assignment7.jar mapreduce.demo.task2.Task2_driver2 /user/acadgild/hadoop/Assignment7_input.txt /user/acadgild/hadoop/Assignment7_output2
18/05/13 04:57:23 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/05/13 04:57:24 INFO client.RMPProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/05/13 04:57:25 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
18/05/13 04:57:25 INFO input.FileInputFormat: Total input paths to process : 1
18/05/13 04:57:25 INFO mapreduce.JobSubmitter: number of splits:1
18/05/13 04:57:25 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1526144009303_0012
18/05/13 04:57:26 INFO impl.YarnClientImpl: Submitted application application_1526144009303_0012
18/05/13 04:57:26 INFO mapreduce.Job: The url to track the job: http://localhost
```

```
File Edit View Search Terminal Help
Total vcore-milliseconds taken by all map tasks=4221
Total vcore-milliseconds taken by all reduce tasks=4543
Total megabyte-milliseconds taken by all map tasks=4322304
Total megabyte-milliseconds taken by all reduce tasks=4652032
Map-Reduce Framework
  Map input records=18
  Map output records=4
  Map output bytes=65
  Map output materialized bytes=79
  Input split bytes=129
  Combine input records=0
  Combine output records=0
  Reduce input groups=2
  Reduce shuffle bytes=79
  Reduce input records=4
  Reduce output records=2
  Spilled Records=8
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=144
  CPU time spent (ms)=1230
  Physical memory (bytes) snapshot=296423424
  Virtual memory (bytes) snapshot=4118196224
  Total committed heap usage (bytes)=170004480
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=733
File Output Format Counters
  Bytes Written=25
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/Assignment7_output2/part-r-00000
18/05/13 04:59:54 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Kerala 1
Uttar Pradesh 3
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```