

## Assignment 4.2 Screenshots

Input file for both Task 2 & Task 3 (Output file of Assignment 4.1)

```
UC time elapsed (ms)=270
CPU time spent (ms)=2400
Physical memory (bytes) snapshot=280760320
Virtual memory (bytes) snapshot=4121763840
Total committed heap usage (bytes)=165810176

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=662
File Output Format Counters
Bytes Written=38

[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/validtv/part-m-00000
17/07/16 15:02:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Akai|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
[acadgild@localhost ~]$
```

### Task 2

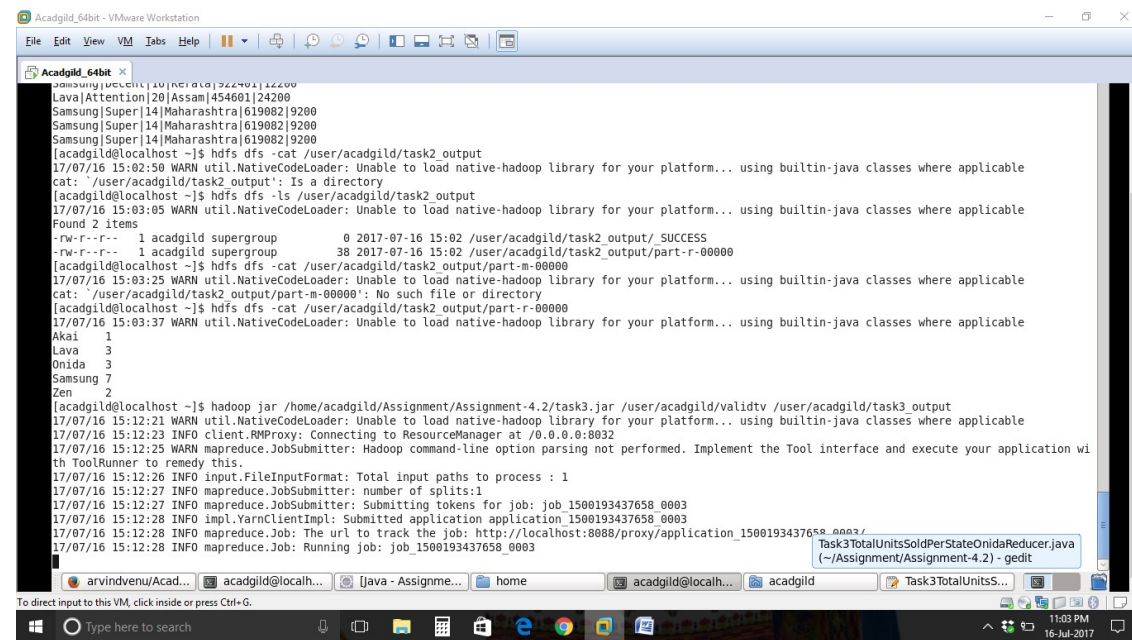
Write a Map Reduce program to calculate the total units sold for each Company.

Jar file with input path and output path

```
Onida|NA|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
NA|Lucid|18|Uttar Pradesh|232401|16200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
17/07/16 14:28:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 0 2017-07-16 14:26 /user/acadgild/validtv/_SUCCESS
-rw-r--r-- 1 acadgild supergroup 662 2017-07-16 14:26 /user/acadgild/validtv/part-m-00000
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/validtv/part-m-00000
17/07/16 14:29:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Onida|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Akai|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Decent|14|Uttar Pradesh|232401|16200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
[acadgild@localhost ~]$ hadoop jar /home/acadgild/Assignment/Assignment-4.2/task2.jar /user/acadgild/validtv /user/acadgild/task2_output
[acadgild@localhost ~]$
```

The screenshot shows a Windows Virtual Machine (VM) window titled "Acadgild\_64bit - VMware Workstation". The terminal window is open, displaying the output of the "Acadgild\_64bit" command. The output shows a list of files and directories, including "Onida|Lucid|18|Uttar Pradesh|232401|16200", "Akai|Decent|16|Kerala|922401|12200", "Lava|Attention|20|Assam|45460|12400", "Zen|Super|14|Maharashtra|619082|9200", "Samsung|Optima|14|Madhya Pradesh|132401|14200", and "Samsung|Decent|16|Kerala|922401|12200". The terminal also shows the output of the "ls" command, displaying the directory structure of "Acadgild|localhost", including "hdfs" and "dfs" directories. The terminal window is titled "Acadgild\_64bit" and the command prompt is "Acadgild|localhost ~\$". The taskbar at the bottom shows the Windows Start button, a search bar, and several open applications, including "Acadgild\_BigDat...", "Acadgild|localhost...", "Java - Assignme...", "home", "Acadgild", and "Task2TotalUnitsP...". The system clock in the bottom right corner shows "10:54 PM" and "16-Jul-2017".

Write a Map Reduce program to calculate the total units sold in each state for Onida company.



```
Acadgild_64bit - VMware Workstation
File Edit View VM Tabs Help
Acadgild_64bit x
Combine input records=0
Combine output records=0
Reduce input groups=1
Reduce shuffle bytes=66
Reduce input records=3
Reduce output records=1
Spilled Records=6
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=225
CPU time spent (ms)=2470
Physical memory (bytes) snapshot=282791936
Virtual memory (bytes) snapshot=4121772032
Total committed heap usage (bytes)=165810176

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=662
File Output Format Counters
Bytes Written=16

[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/task3 output
17/07/16 15:14:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 0 2017-07-16 15:13 /user/acadgild/task3 output/_SUCCESS
-rw-r--r-- 1 acadgild supergroup 16 2017-07-16 15:13 /user/acadgild/task3 output/part-r-000000
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/task3 output/part-r-000000
17/07/16 15:14:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Uttar Pradesh 3
[acadgild@localhost ~]$
```

arvindvenu/Acad... acadgild@localh... [Java - Assignme... home acadgild@localh... acadgild Task3TotalUnitsS...

To direct input to this VM, click inside or press Ctrl+G.

Type here to search 11:05 PM 16-Jul-2017