Week 3

I ran the MaxTemperature script on 3 data sets. Following are the outputs and execution time:

```
            Map input records=5000000
            Map output records=4642067
            Map output bytes=41778603
            Map output materialized bytes=51062785
            Input split bytes=904
            Combine input records=0
            Combine output records=0
            Reduce input groups=1
            Reduce shuffle bytes=51062785
            Reduce input records=4642067
            Reduce output records=1
            Spilled Records=9284134
            Shuffled Maps =8
            Failed Shuffles=0
            Merged Map outputs=8
            GC time elapsed (ms)=3167
            CPU time spent (ms)=21880
            Physical memory (bytes) snapshot=1924378624
            Virtual memory (bytes) snapshot=16911880192
            Total committed heap usage (bytes)=1391427584
        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=1030902727
        File Output Format Counters
            Bytes Written=9

real    1m4.189s
user    0m3.444s
sys     0m0.120s
vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$ Hadoop fs -ls /user/$USER/output1
Hadoop: command not found
vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$ hadoop fs -ls /user/$USER/output1
-ls: Unknown command
[vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$ hadoop fs -ls /user/$USER/output1
Found 2 items
-rw-r--r--   1 vagrant supergroup          0 2017-02-10 20:14 /user/vagrant/output1/_SUCCESS
-rw-r--r--   1 vagrant supergroup          9 2017-02-10 20:14 /user/vagrant/output1/part-r-00000
[vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$ hadoop fs -cat /user/$USER/output1/part-r-00000
1990    607
vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$
```

```
                Total time spent by all map tasks (ms)=1816038
                Total time spent by all reduce tasks (ms)=318858
                Total vcore-seconds taken by all map tasks=1816038
                Total vcore-seconds taken by all reduce tasks=318858
                Total megabyte-seconds taken by all map tasks=1859622912
                Total megabyte-seconds taken by all reduce tasks=326510592
        Map-Reduce Framework
                Map input records=35000000
                Map output records=30592765
                Map output bytes=275334885
                Map output materialized bytes=336520775
                Input split bytes=6840
                Combine input records=0
                Combine output records=0
                Reduce input groups=2
                Reduce shuffle bytes=336520775
                Reduce input records=30592765
                Reduce output records=2
                Spilled Records=61185530
                Shuffled Maps =60
                Failed Shuffles=0
                Merged Map outputs=60
                GC time elapsed (ms)=28745
                CPU time spent (ms)=176790
                Physical memory (bytes) snapshot=13301149696
                Virtual memory (bytes) snapshot=114581987328
                Total committed heap usage (bytes)=9769713664
        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=7993006187
        File Output Format Counters
                Bytes Written=18

real    6m40.488s
user    0m4.712s
sys     0m0.288s
[vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$ hadoop fs -cat /user/$USER/output3/par
1990    607
1992    605
vagrant@pleasechangeme:~/hadoop-book/ch02-mr-intro/src/main/java$
```

Retired Jobs

Show 20 ‡ entries   Search:

Submit Time ⇕	Start Time ⇕	Finish Time ⇕	Job ID ⇕	Name ⇕	User ⇕	Queue ⇕	State ⇕	Maps Total ⇕	Maps Completed ⇕	Reduces Total ⇕	Reduces Completed ⇕
2017.02.10 21:29:11 CST	2017.02.10 21:29:19 CST	2017.02.10 21:40:12 CST	job_1486782805443_0001	Max temperature	vagrant	default	SUCCEEDED	88	88	1	1
Submit Time	Start Time	Finish Time	Job ID	Name	User	Queue	State	Maps T	Maps Comple	Reduces Tc	Reduces Com

Showing 1 to 1 of 1 entries   First Previous 1 Next Last