Assignment Day 4

Input Dataset:

hadoop fs -cat /dataset/television.txt

(Displays content of Input Dataset)

ScreenShot:

```
[acadgild@localhost ~]$ hadoop fs -cat /dataset/television txt
18/87/91 09:12:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Samsung|Optime|14|Madhya Pradesh|132491|14200
Onida|Lucid|18|Uttar Pradesh|232491|16200
Akai|Decent|16|Kerala|922401|12200
Lava|Attentino|120|Assam|454691|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optime|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Lava|Attentino|20|Assam|454691|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|16|Kerala|922401|12200
Lava|Attentino|20|Assam|454691|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
```

Task 1:

Write a Map Reduce program to filter out the invalid records. Map only job will fit for this context.

Ans:

Run a Job:

hadoop jar taskına.jar /dataset/television.txt /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/taskı

(To run a MR job using created jar file.)

Output Directory:

hadoop fs -ls /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/task1

(Listing contents of output directory)

hadoop fs -cat /hadoopdata/hdfs/out/handson/30Jun18/Assignment1/task1/part-m-00000

(Displaying content of Output file)

hadoop fs -cat /hadoopdata/hdfs/out/handson/30Jun18/Assignment1/task1/part-m-00000 | wc -l

(Checking count of records after removing lines that contains 'NA' in column)

Note: Program files are properly documented for a detailed description of each instruction used within the program.

ScreenShot:

```
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```

Task 2:

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

Ans:

Run a Job:

hadoop jar task2na.jar /dataset/television.txt /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/task2

(To run a MR job using created jar file.)

Output Directory:

hadoop fs -ls /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/task2

(Listing contents of output directory)

hadoop fs -cat /hadoopdata/hdfs/out/handson/30Jun18/Assignment1/task2/part-r-00000

(Displaying content of Output file)

Note: Program files are properly documented for a detailed description of each instruction used within the program.

ScreenShot:

Task 3:

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

Ans:

Run a Job:

hadoop jar task3na.jar /dataset/television.txt /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/task3

(To run a MR job using created jar file.)

Output Directory:

hadoop fs -ls /hadoopdata/hdfs/out/hands-on/30Jun18/Assignment1/task3

(Listing contents of output directory)

hadoop fs -cat /hadoopdata/hdfs/out/handson/30Jun18/Assignment1/task3/part-r-00000

(Displaying content of Output file)

Note: Program files are properly documented for a detailed description of each instruction used within the program.

ScreenShot:

[acadgild@localhost ~]s hadoop fs ~ls /hadoopdata/hdfs/out/hands-on/30Jun18/Assignmentl/task3
18/07/01 09:51:03 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 2018-07-01 09:48 /hadoopdata/hdfs/out/hands-on/30Jun18/Assignmentl/task3/_SUCCESS
-rw-r--r-- 1 acadgild supergroup 16 2018-07-01 09:48 /hadoopdata/hdfs/out/hands-on/30Jun18/Assignmentl/task3/part-r-00000
[acadgild@localhost ~]s hadoop fs -cat /hadoopdata/hdfs/out/hands-on/30Jun18/Assignmentl/task3/part-r-00000

```
[acadgild@localhost Assignment1]s hadoon jar task3na.jar /dataset/talevision.tyt /hadoopdata/hdfs/out/hands-on/30Jun]8/Assignment1/task3
18/07/10 09:47:57 MARN util.NativeCodeLoaDer: Unable to load native-hadoop library for your platform. using builtin-java classes where applicable
18/07/10 09:47:59 INFO claim.NBProxy: connecting to ResourceManager at localhost/127.06.19:18027.
18/07/10 19:48:01 INFO input.fileInput/format: Total input paths to process : 1
18/07/10 19:48:01 INFO input.fileInput/format: Total input paths to process : 1
18/07/10 19:48:02 INFO mapreduce. Jobsubmitter: submitting tokens for job: job.1530329599884 0023
18/07/10 19:48:02 INFO mapreduce. Jobsubmitter: submitting tokens for job: job.1530329599884 0023
18/07/10 19:48:02 INFO mapreduce. Jobs. The uri to track the job: http://localhost.18088/proxy/application_1530329599884_0023
18/07/10 19:48:02 INFO mapreduce. Job: Numning job: job 1530329599884 0023
18/07/10 19:48:02 INFO mapreduce. Job: Numning job: job 1530329599884 0023
18/07/10 19:48:02 INFO mapreduce. Job: Numning job: job 1530329599884 0023
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 0%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: map 100% reduce 10%
18/07/10 19:48:02 INFO mapreduce. Job: counters: 4

File: Number of bytes written=16
HDFS: Number of pates operations=0
Total time spent by all reduce tasks=1
Launched reduce tasks=
```

End
