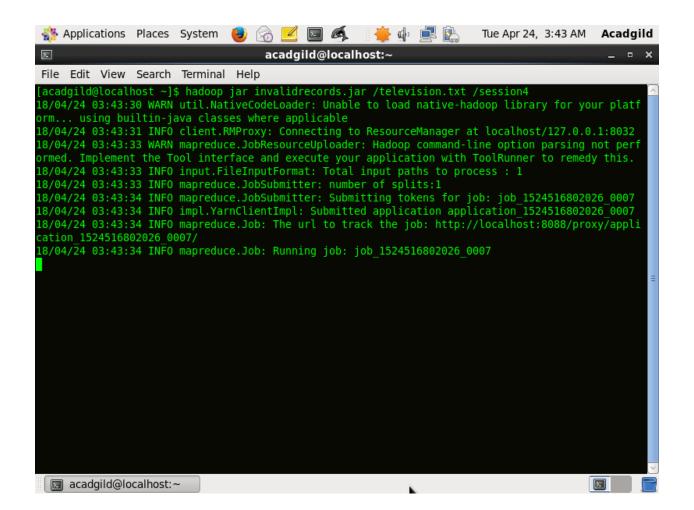
Running job to filter out invalid records. Invalid records will contain the string "NA" in company or product name fields. The following command runs the jar invalid records. jar using television. txt stored in hdfs and stores the output in /session4 folder in hdfs.

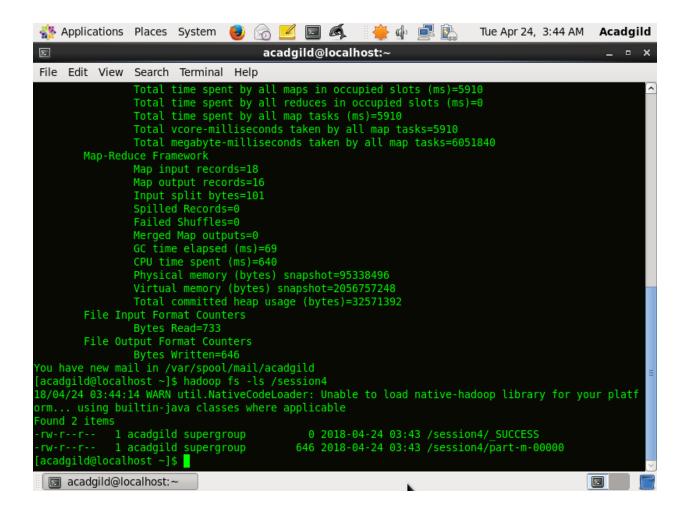
hadoop jar invalidrecords.jar /television.txt /session4



## Run the command

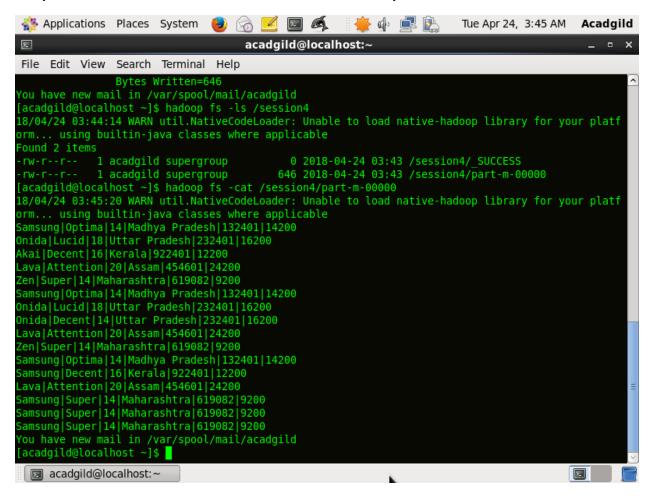
## hadoop fs -ls /session4

To view the mapping output in session4 folder



## To view the mapped output run the command hadoop fs —cat /session4/part-m-00000

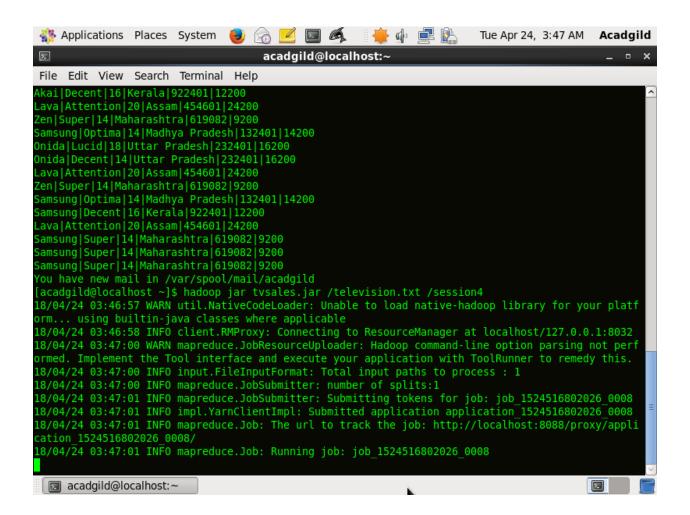
As you can see none of the records have any invalid fields



The see the sales of tv unit of each company, I am running the jar tvsales.jar

Running the command

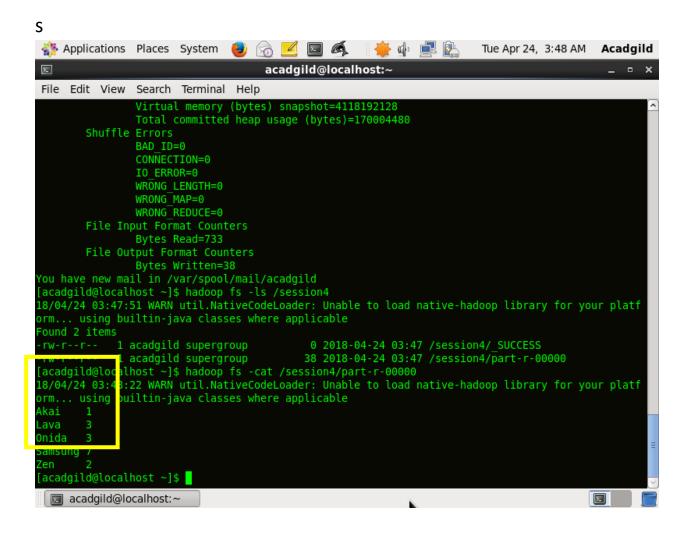
hadoop jar tvsales.jar /television.txt /session4



Running the command to check the contents of the output folder hadoop fs —Is /session4

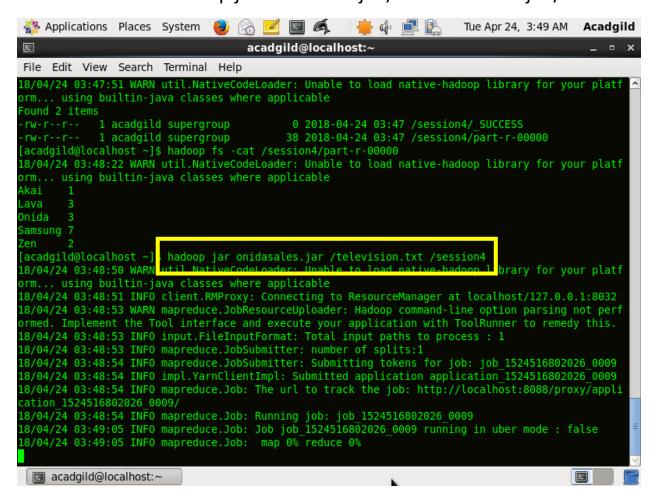
Then running the command to view the mapreduce output hadoop fs –cat /session4/part-r-00000

As one can see the output has the company names and the number of their tv sold. In the program the mapper code filters the record and maps the company name and digit 1 which is then picked up by the reducer to count the number of occurences of each key and write it as the output.



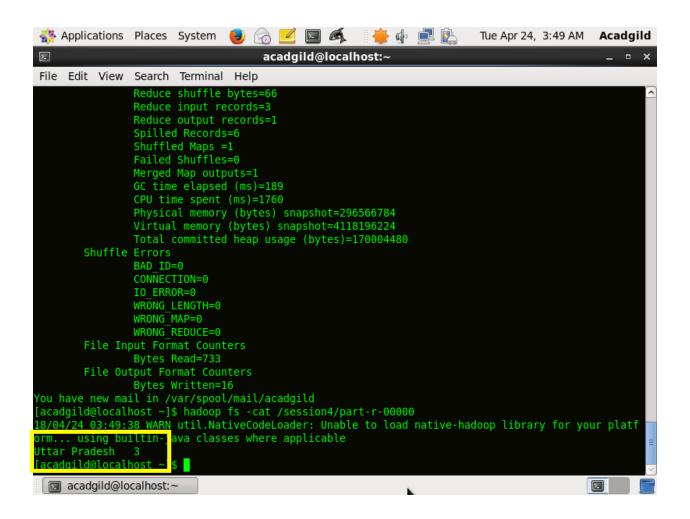
The third task is accomplished by running the jar onidasales.jar which gives the mapreduce output of only Onida company state-wise. To achieve the result, filtered records were checked if company name is onida and the state field of the corresponding record is mapped and given to the reducer to count the number of each unique state key and write its sum.

The command is hadoop jar onidasales.jar /televisionsales.jar /session4



Since Onida was sold only in Uttar Pradesh but three models were sold so one can see the desired output in the part-r-00000 file in session4 folder

If one notices, an invalid record of onida from state kerala was also filtered successfully.



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