**We have a dataset of sales of different TV sets across different locations. Records look like: Samsung|Optima|14|Madhya Pradesh|132401|14200**

**The fields are arranged like:**

**Company Name|Product Name|Size in inches|State|Pin Code|Price sales\_differentTV : https://github.com/prateekATacadgild/DatasetsForCognizant/blob/master/sales\_differentTV.txt**

**There are some invalid records which contain 'NA' in either Company Name or Product Name.**

**Dataset:**

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

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

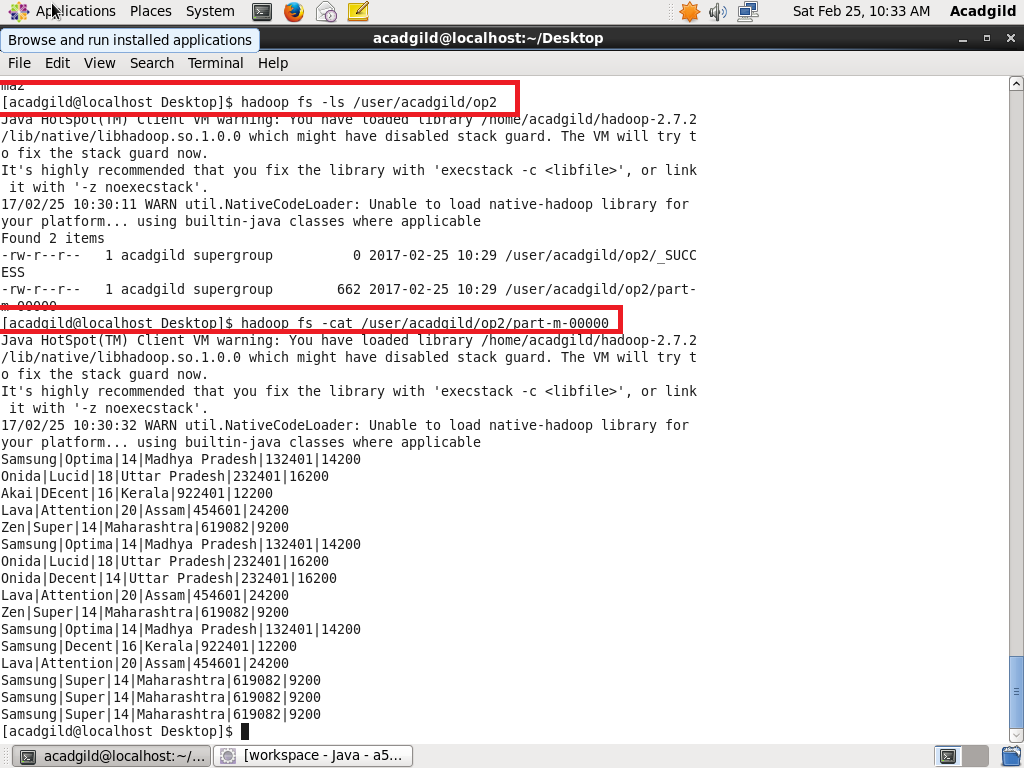
Lava|Attention|20|Assam|454601|24200

Samsung|Super|14|Maharashtra|619082|9200

Samsung|Super|14|Maharashtra|619082|9200

Samsung|Super|14|Maharashtra|619082|9200

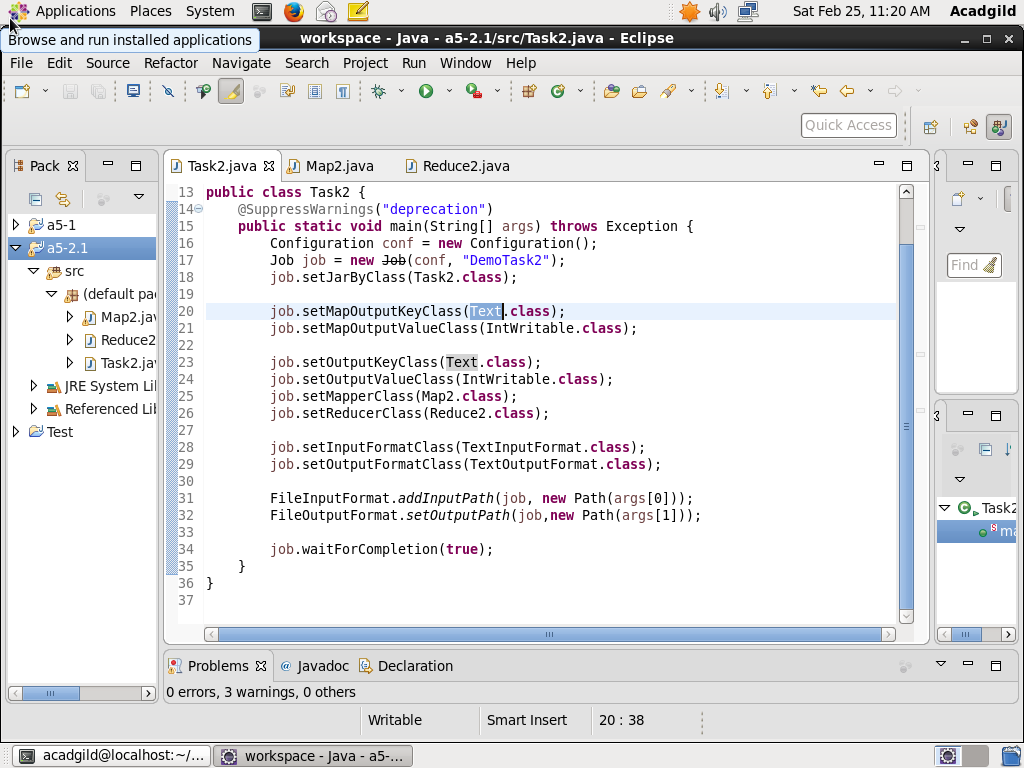
The output of 5.1 will be input dataset for this question ( i.e. all records containing NA have been eliminated) . A screenshot is attached below:



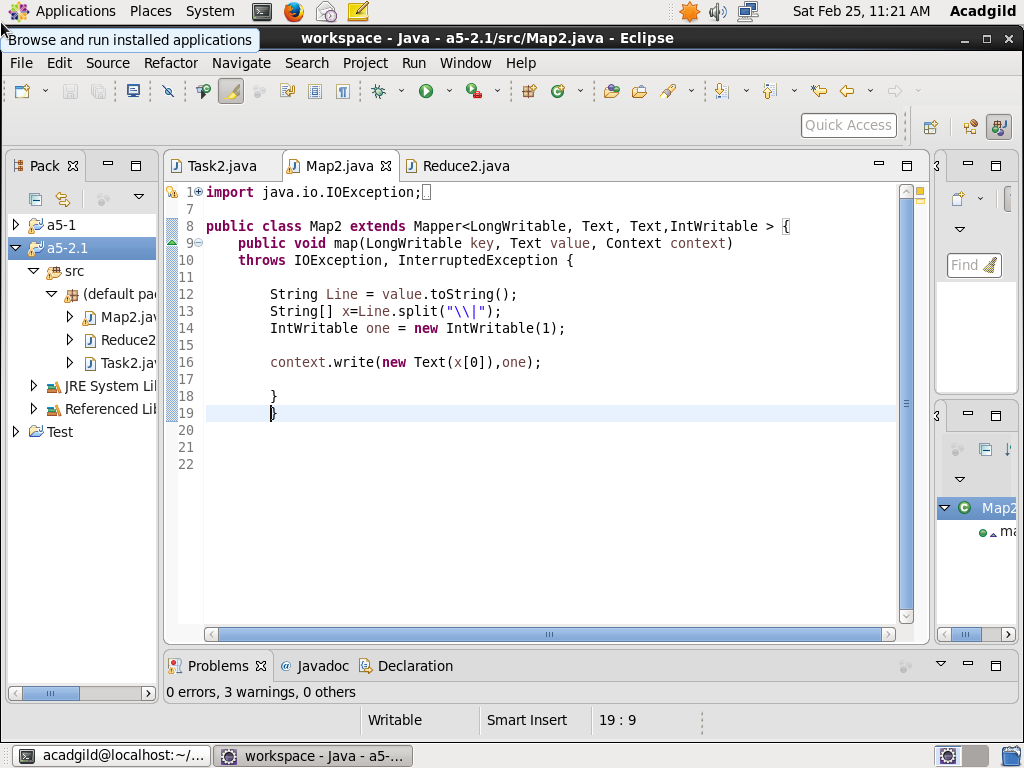
**Sales of different TV Task 2:**

**Write a MapReduce program to calculate the total units sold for each Company.**

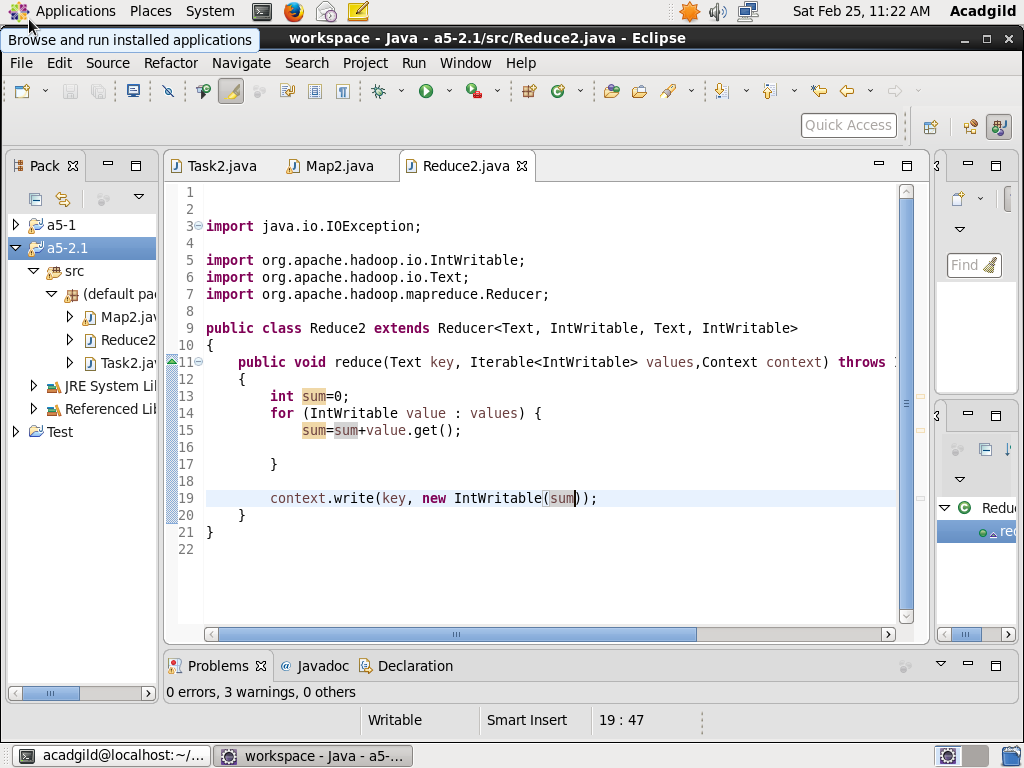
**PROGRAM:**

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This is the driver class where all the configurations like setting the Mapper Class, Reducer Class, input format, output format etc. are set

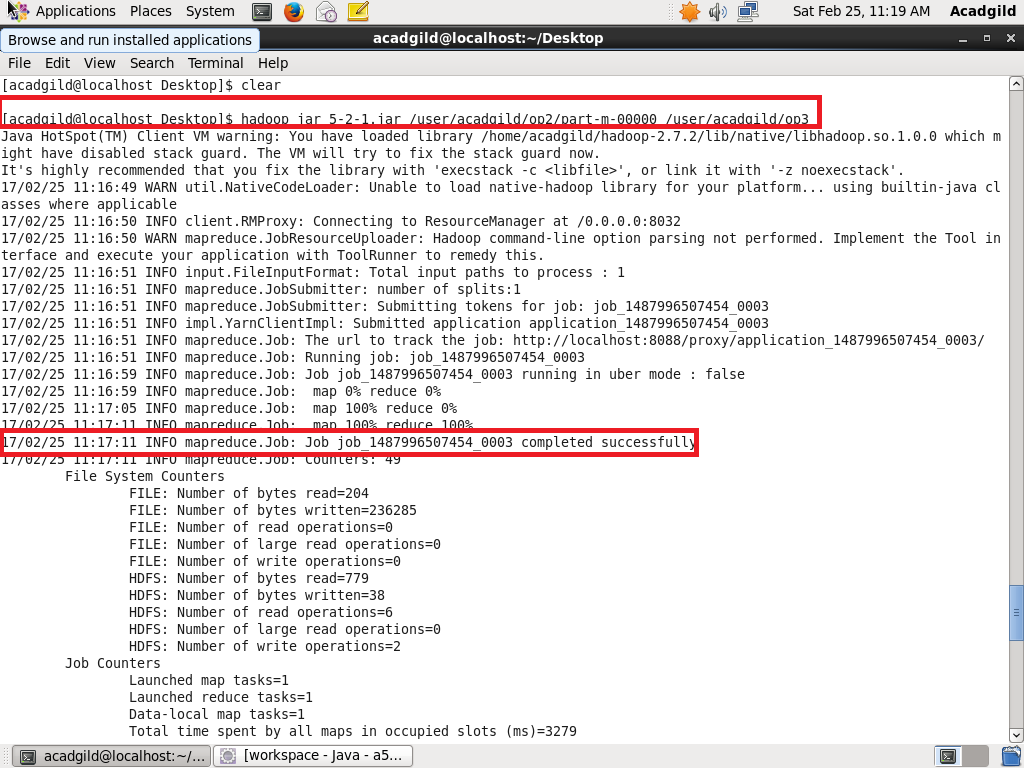
****

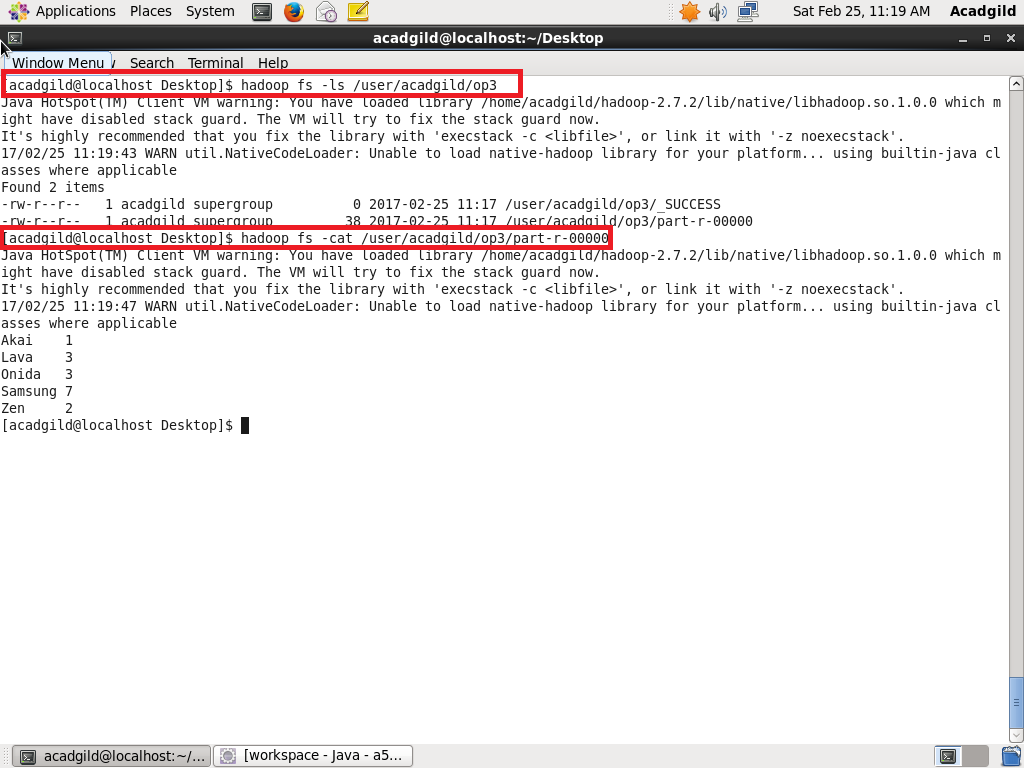
This is the map2 class which segregates the data. It extends the Mapper class and overrides the Map method

****

This is the Reduce2 class which aggregates the data. It extends the Reducer class and overrides the Reduce method.

**OUTPUT:**

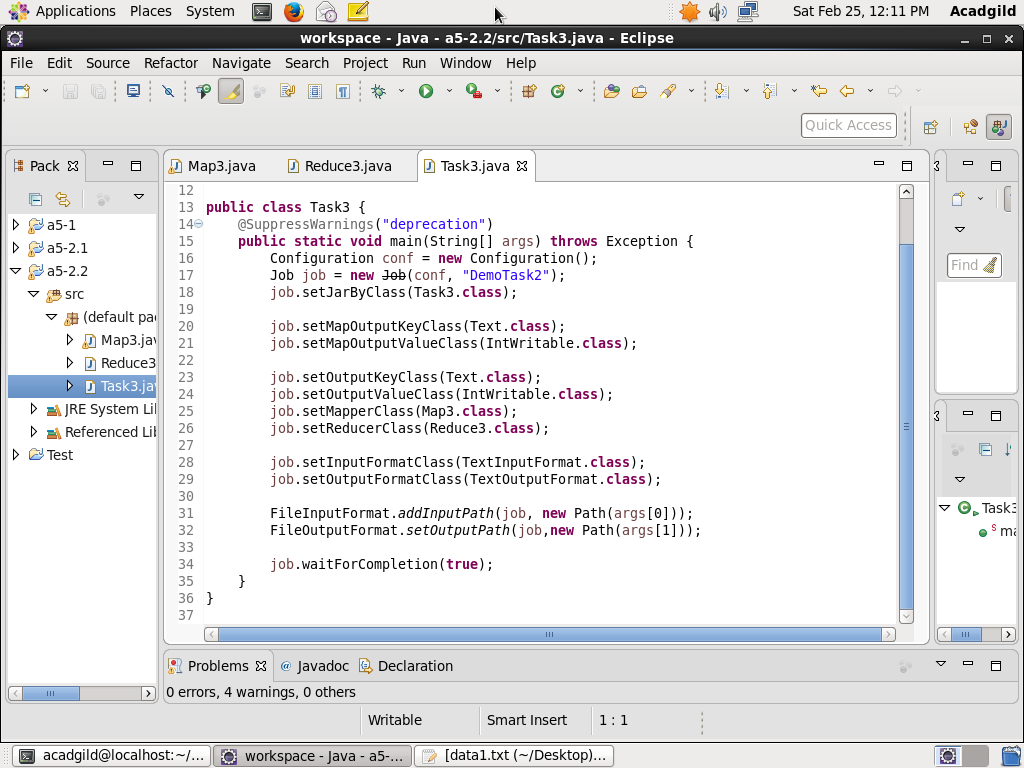
****

****

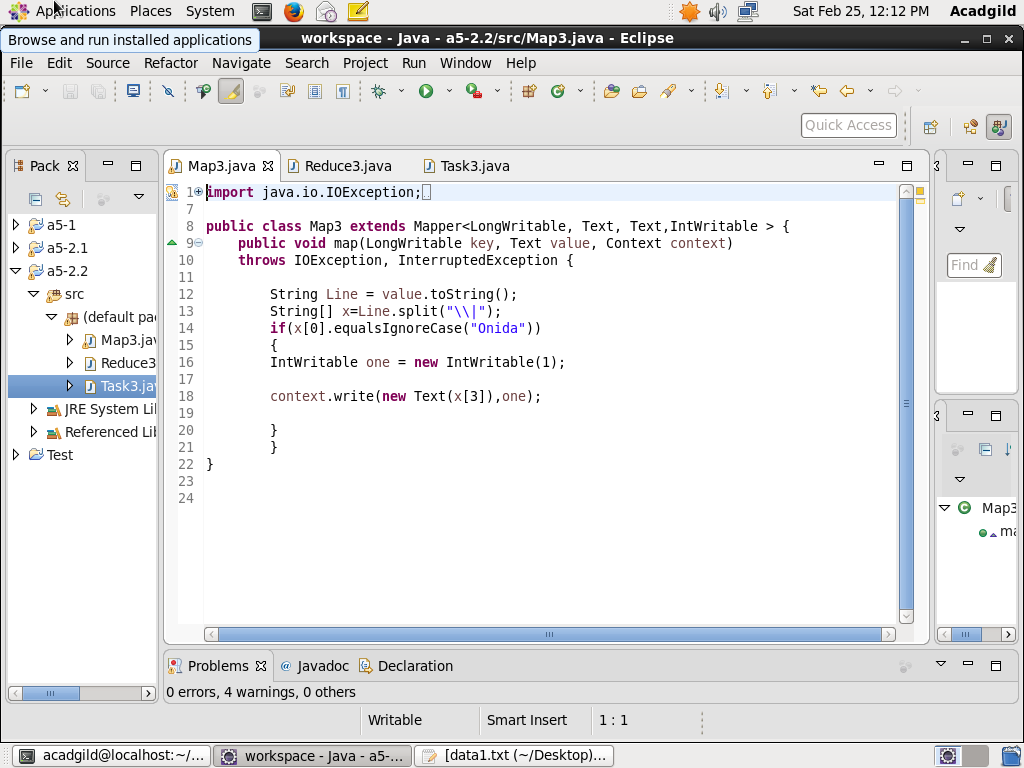
**Sales of different TV Task 3:**

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

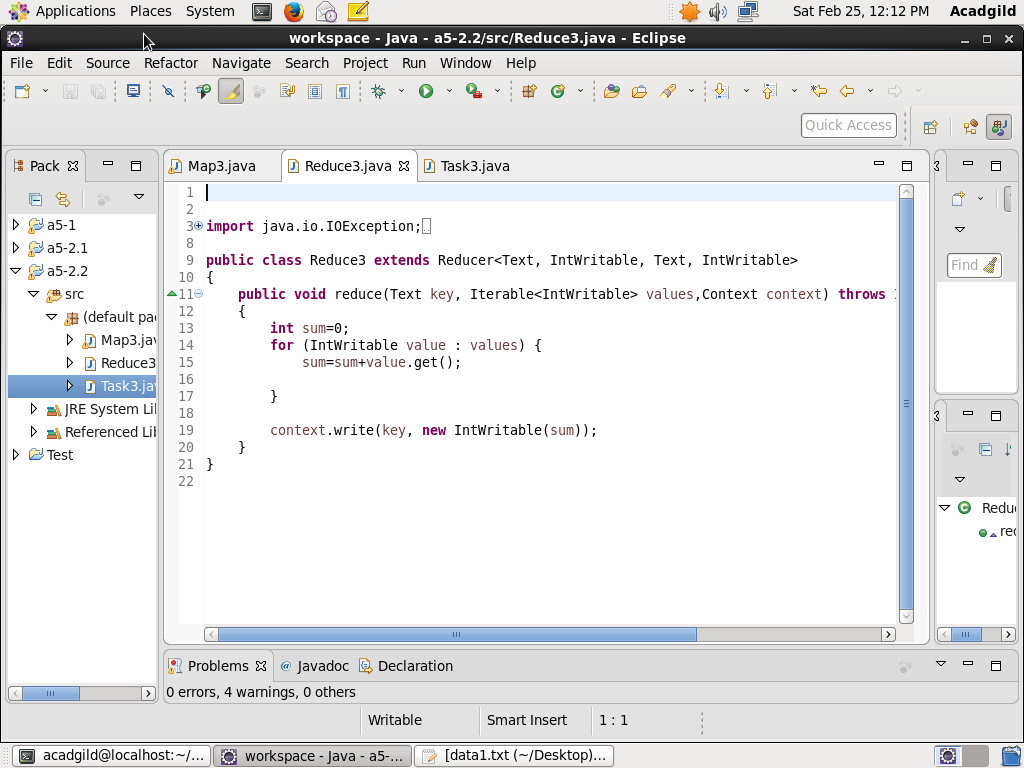
**PROGRAM:**

****

This is the driver class where all the configurations like setting the Mapper Class, Reducer Class, input format, output format etc. are set

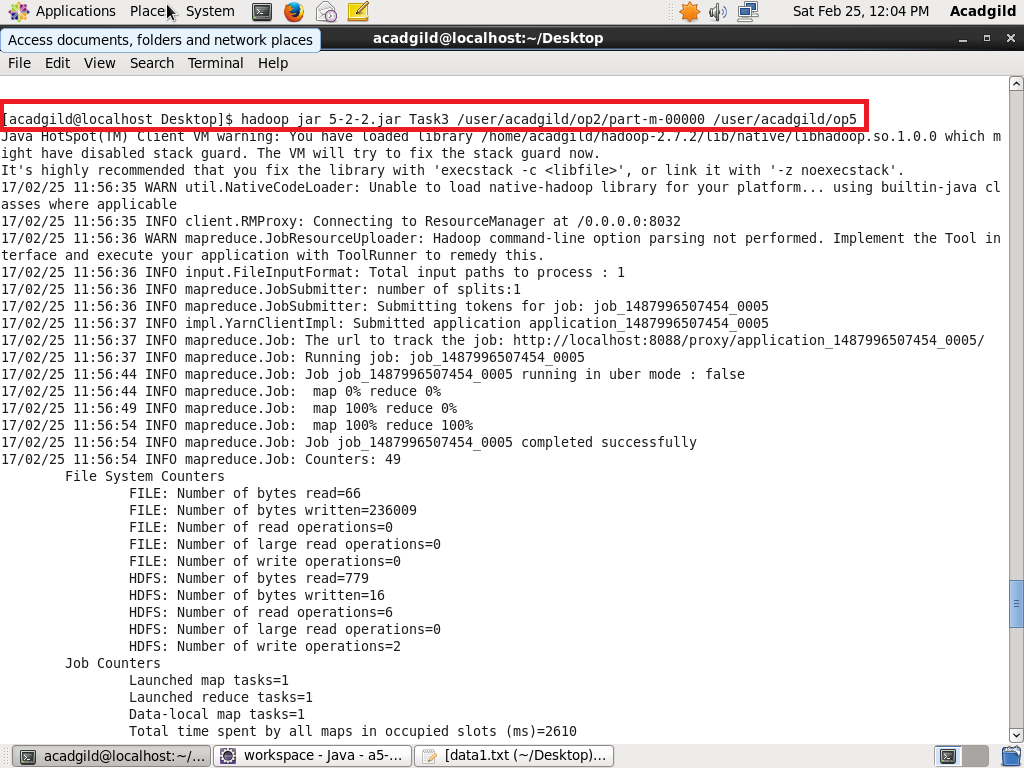
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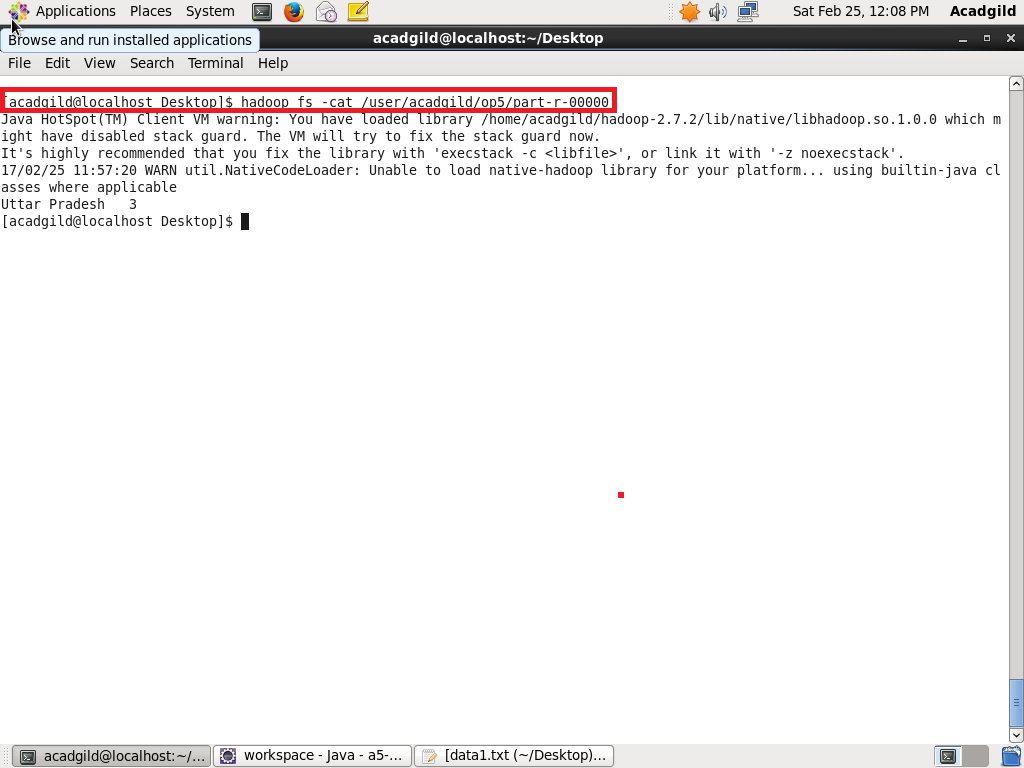
This is the map3 class which segregates the data. It extends the Mapper class and overrides the Map method

****

This is the Reduce2 class which aggregates the data. It extends the Reducer class and overrides the Reduce method.

**OUTPUT:**

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