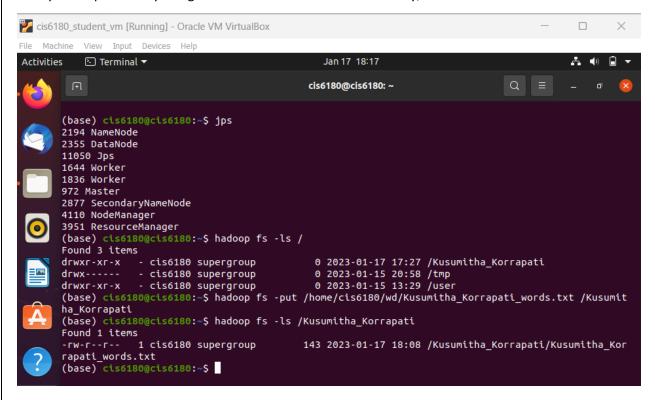
Assignment 1 - CIS*6180/DATA*6300

Student ID – 1238693 Kusumitha Korrapati

1. Make a text file and copy into Hadoop HDFS [1 point]

verify the copied file by using the ls command in the hdfs directory, take a screenshot and save it as directory file.png.

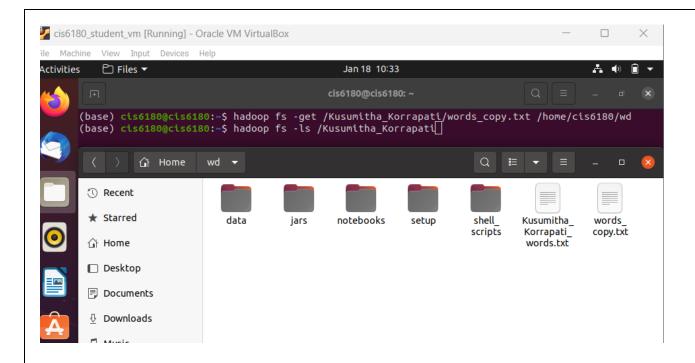


Copy file in HDFS [1 point]
 verify the copied file by using the ls command in the hdfs directory, take a screenshot and save it as
 directory_file_copy.png.

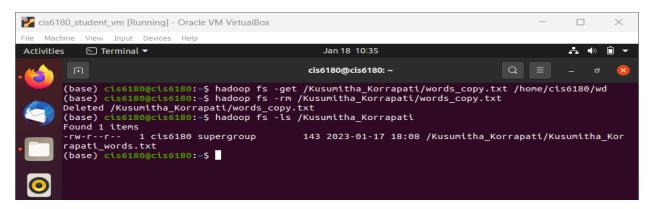
```
972 Master
2877 SecondaryNameNode
4110 NodeManager
3951 ResourceManager
(base) cis6180@cis6180:~$ hadoop fs -ls /Kusumitha_Korrapati
Found 1 items
1 cis6180 supergroup
                                        143 2023-01-17 18:08 /Kusumitha_Korrapati/Kusumitha_Kor
rapati_words.txt
(base) cis6180@cis6180:~$ hadoop fs -cp /Kusumitha_Korrapati/Kusumitha_Korrapati_words.txt /Kusu
mitha_Korrapati/words_copy.txt
(base) cis6180@cis6180:~$ hadoop fs -ls /Kusumitha_Korrapati
Found 2 items
-rw-r--r-- 1 cis6180 supergroup
                                        143 2023-01-17 18:08 /Kusumitha_Korrapati/Kusumitha_Kor
rapati_words.txt
                                        143 2023-01-18 10:22 /Kusumitha_Korrapati/words_copy.tx
- - W - C - - C - -
            1 cis6180 supergroup
(base) cis6180@cis6180:~$
                                                                             🔳 🔐 👸 🊫 🛂 Right Ctrl
                                                                   ENG
                                                                                     10:22 AM
                                                                                   2023-01-18

令 切) ■
```

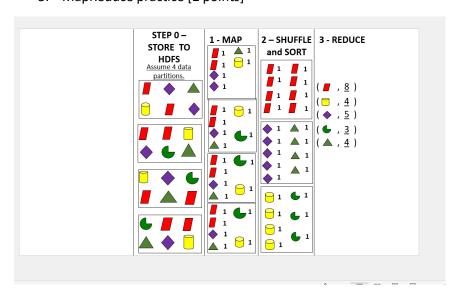
3. Copy file from HDFS [1 point]



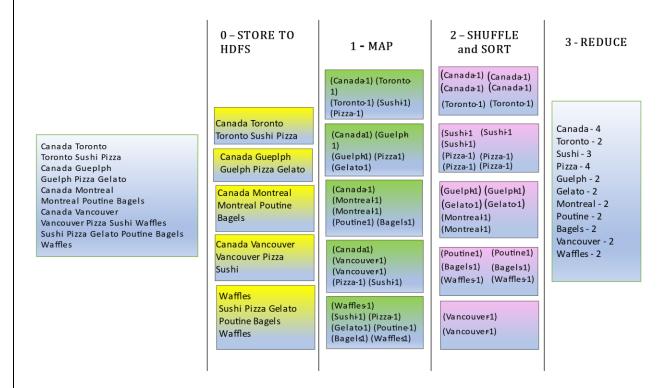
4. Delete file from HDFS [1 point] verify the deleted file by using the ls command in the hdfs directory, take a screenshot and save it as directory_file_delete.png.



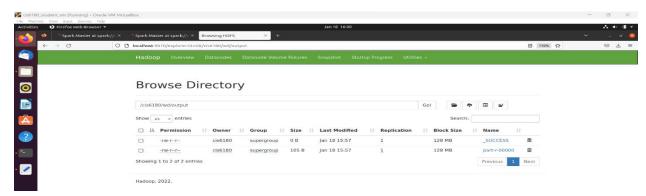
5. MapReduce practice [2 points]



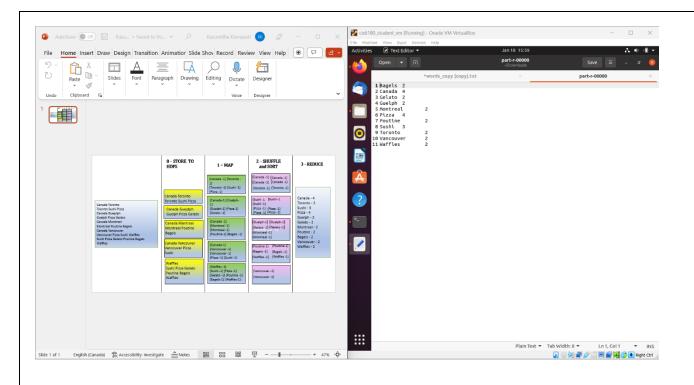
6. MapReduce word count [2 points]
Apply the MapReduce manually on the following text.

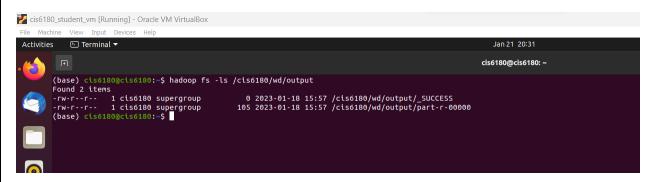


- 1. Store the words into HDFS partitions
- 2. Map the words
- 3. Shuffle and sort
- 4. Reduce and write the sum for each item.
 - 7. MapReduce word count and word mean using Hadoop [2 points]



To compare the text file with manually done map reduce, different text file is added to the Hadoop directory and those results are compared below





Word count mean -



