Test:

* Run the hadoop services
* Make directory inside haddop dfs  
  Hadoop dfs –mkdir –p /user/trend/section/
* Upload the datasets  
  Hadoop dfs –put ~/Desktop/Lec7/UntitledFolder/item.txt /user/trend/section  
  Hadoop dfs –put ~/Desktop/Lec7/UntitledFolder/user.txt /user/trend/section
* Run the first job  
  hadoop jar $HADOOP\_HOME/share/hadoop/tools/lib/hadoop-streaming-2.8.1.jar

-Dmapred.reduce.tasks=1

-Dstream.num.map.output.key.fields=2

-input /user/trend/section/\*.txt

-output /user/trend/section/output\_run

-mapper ~/Desktop/Lec7/UntitledFolder/mapper.py

-reducer ~/Desktop/Lec7/UntitledFolder/reducer.py

1. Run the second job  
   hadoop jar $HADOOP\_HOME/share/hadoop/tools/lib/hadoop-streaming-2.8.1.jar

-Dmapred.reduce.tasks=1

-Dstream.num.map.output.key.fields=2

-input /user/trend/section/output\_run/part-00000

-output /user/trend/section/output\_final\_answer\_resault

-mapper ~/Desktop/Lec7/UntitledFolder/new\_mapper.py

-reducer ~/Desktop/Lec7/UntitledFolder/new\_reducer.py

Result :

The output file is generated succefully.