Test

run code by python on terminal cat user.txt item.txt | python mapper.py | sort -k1,1 | python reducer.py | python mapper2.py | sort -k1,1|python reducer2.py

(Note) you must use sort -k1,1 to sort your output to make your code run correctly

run code by hadoop cd \$HADOOP_HOME sbin/start-all.sh

hadoop dfs -mkdir -p /user/abdallah/task2

hadoop dfs -put /home/abdallah/PycharmProjects/osTask2/user.txt /user/abdallah/task2 hadoop dfs -put /home/abdallah/PycharmProjects/osTask2/item.txt /user/abdallah/task2 hadoop jar /usr/local/hadoop-2.8.1/share/hadoop/tools/lib//hadoop-streaming-2.8.1.jar \

- -input /user/abdallah/task2/user.txt /user/abdallah/task2/item.txt \
- -output /user/abdallah/output \
- -file /home/abdallah/PycharmProjects/osTask2/mapper.py \
- -mapper /home/abdallah/PycharmProjects/osTask2/mapper.py \
- -file /home/abdallah/PycharmProjects/osTask2/reducer.py \
- -reducer /home/abdallah/PycharmProjects/osTask2/reducer.py

hadoop jar /usr/local/hadoop-2.8.1/share/hadoop/tools/lib//hadoop-streaming-2.8.1.jar

- -input /user/abdallah/output/part-00000
- -output /user/abdallah/output2
- -file /home/abdallah/PycharmProjects/osTask2/mapper2.py
- -mapper /home/abdallah/PycharmProjects/osTask2/mapper2.py
- -file /home/abdallah/PycharmProjects/osTask2/reducer2.py
- -reducer /home/abdallah/PycharmProjects/osTask2/reducer2.py