gedit weathermapper.py

#!/usr/bin/python

import sys

def mapper():

for line in sys.stdin:

date,temp=line.strip().split()

temp=int(temp)

print "{0}\t{1}".format(date,temp)

mapper()

gedit weather.txt

01-01-2024 25

02-01-2024 22

03-01-2024 28 **shinny or cool day**

04-01-2024 24

05-01-2024 27

cat weather.txt | python weathermapper.py

gedit weatherreducer.py

#!/usr/bin/env python

import sys

def reducer():

for line in sys.stdin:

date,temp=line.strip().split('\t')

temp=int(temp)

if temp>25:

day="sunny"

else:

day="cold"

print "{0}\t{1}".format(date,day)

reducer()

cat weather.txt | python weathermapper.py | python weatherreducer.py

hdfs dfs -put weather.txt weather.txt