input tile - inside text

Open → 🗔	Input.txt -/Desktop	Save 😑 🗆 🗆
Create a text file in your l Check the text written in the	local machine and write some text int me data.txt file	to lt.

a) output

Date Page No. Ex. No. Week 586 MapReduce Program a) Write a MapReduce program for counting number of words in a given tile or Document. b) create a jar file & c) Run the jar file and observe mapper process and reducer process. d) Read the output file and display the results. step 1: Start hadoop & start-au.sh Step 2: Check everything is nunning or not \$ ips Step 3: Create a directory to hadoop &s to store input file: & hadoop is - mkdir (blord count & hadoop & -mkdir Unlord Count/input Step 4: Now take your input file and put inside hadoop &: & hadoop its - put thome / hadoop / Desktop/input. txt Mord-countlingut

	Ex. No. Date Page No.
megane began	step 5: Now create Mapper-py inside your fs:
	Mapper py Which maps input data and outputs key value
the a purpose of the contract of the second	pair as every word as 1
special of the area and	
	Code:
an the ju th an owner reper principle	import sys
mod coam	for line in sys. stdin:
the set of posterior due sign matter after have	line = line · strip ()
	words = line.split()
and the standard and th	for word in words;
A September 1 and	print ('1.5 It 1.5' 1. (word, 1))
	at a transfer to the angle of the transfer to
Court a real facilities and a facilities	Step 6: Now create Reducer py inside your fs: Reducer py which take input from mapper and gets
	count for each word:
	GROUP OF INSTITUTIONS
	code:
and the second s	from operator import itemgetter
E basices at The State of the S	import sys
	current_word = None
A principle of the state of the	current word current count = 0
	Word = None

	Ex. No. Date Page No.
- organic stored outle to	
The start through	for line in sysistdin:
or bourseass th	line = line · strip()
	word, count = line split ('It', 1)
	try:
	count = int (count)
make with an abid to the same	except value Error:
midleanit and the	continue
AP STOLY PROPERTY.	
mubine ter	if current_word == word:
Administration of the second	current_count += count!
	clse:
Start Land	if current_word:
A LA COUNTY	print ('1/15 It'/15' 1/1 (current_word, current_count))
Constant to him	current_count = count
	current_count word - word
	EXPLORE TO INVENT
el colores made	if current_word = = word:
- Marketing	print ('% s /+ 4.5' %. (current word, current dount))
NO SULL SULL SULL SULL SULL SULL SULL SUL	
Chronitana A	

```
-milliseconds taken by all reduce tasks=11911168
         Total negaby
Nan-Reduce Francwork
                      Nap input records=2
                     Nap output records=22
Map output bytes=158
                      Nap output materialized bytes=214
                      Input split bytes=200
                     Combine input records=0
Combine output records=0
                     Reduce input groups=17
Reduce shuffle bytes=214
Reduce input records=22
                       Reduce output records=17
                      Spilled Records=44
Shuffled Maps =2
                      Failed Shuffles=0
                     Merged Map outputs=2
GC time elapsed (ms)=3162
                      CPU time spent (ms)=141720
                     CPU true spent (ms)=141/20
Physical menory (bytes) snapshot=626868224
Virtual menory (bytes) snapshot=0237559808
Total committed heap usage (bytes)=397410304
Peak Map Physical menory (bytes)=237785088
                    Peak Rap Firsteat Renory (bytes)=2745839616
Peak Rap Virtual memory (bytes)=2745839616
Peak Reduce Physical memory (bytes)=2750844928
Peak Reduce Virtual memory (bytes)=2750844928
                     BAD_ID=0
                      CONNECTION=0
                      WRONG LENGTHED
                      WRONG_MAP=0
                      WRONG REDUCE #0
         File Input Format Counters
                     Bytes Read=171
         File Output Format Counters
                     Bytes Written=126
923-04-14 16:26:38,336 INFO streaming.StreamJob: Output directory: /Word_Count/output
```

d) output

Page No. Date Ex. No. Step 7: Execute command & hadoop jar /home/hadoop/hadoop/share/hadoop/tools/lib 1 hadoop-streaming-3.3.4.jar -file 1 home 1 hadoop 1 Desktop/ Mapper.py - mapper 'pytho3 Mapper.py' - file 1home/ hadoop/Desktop/Reducer.py - reducer 'python 3 Reducer.py' -input / Mord_count/input/input.txt -output / word_count/ output. Step 8: To view output I hadoop is -cat theord count/output/part-00000