	E-shidon	
	Parul® University	NAACOL
1	University	tar definient timer kanti
	The same of the sa	

Pg. No. :	
Date :	

(3 ki)	Run a basic word Count Mas Reduce grogram
The second second second second	The Markey Man reduce purcidigm.
Market Strategy of the Strateg	Solution:
Andreas and the second	
A PROPERTY OF THE PARTY OF THE	France Collections import describblist
A CONTRACTOR OF THE PROPERTY O	from Collections import defautlict import multiprocessing
( a ) proportion of the contraction of the contract	
An granded management of the same of the same	Ht Mapper Sunction
18 parties and the second seco	det Minner (Chien K);
Management of the second secon	def Mapper (chunk); Word-count = deslawtdict (in!)
	for word in church split ()
	for word in chunk-split () word-count [word] +=1
	return word court
/*	+ Reducer function
Name and Address of the Owner, which we have the owner, where the owner, which is the owner, where the owner, which is the owner, where the owner, which is the owner, where the owner, which is the owner, which is the owner, where the owner, where the owner, wh	de f reducer (restalts): Word-count=defaultdint(int)
A-	Word-count=defautdint(int)
No. of the last of	for Wein result:
A STATE OF THE PARTY OF THE PAR	for word, wunt in we items ():  word count [word] + = count
•	return word courd
	Y G L W L L L L W W L L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L L W L
	# Mapperheduces function
	det muppesduce (dutu, mupper, reducer, num. process=2)
	with multiprocessing pool (processes = num process) as pool
	def mupper duce (dutu, mupper, reducer, num process=2)  with multiprocessing. pool (processes = num process) as pod:  mupped dutu = pool. mape mapper, dutu)  reduced dutu = reducer (mapped dutu)
	reduced duty = reducer (mapped duty)
	return reduced dutu.
	if nume == muin =:

Parul® University	NAAC OH
-------------------	---------

	Parul® University NAAC OH  Pg. No.: 174  Date:
# Sump	e inact I
	e input duty
_duty	
	"hello world"
	"Word is la line"
	"Word is beautiful",  "hello beautiful world"
	J maniful world
# Ex002.	
1.11/12	10 pluphedruc
- WUIG	- counts = mapselyce (duty, Mugger relaces)
# Outor	te Muphedrice - Counts = mapredrice (duta, Mapper, reducer)  J results
orint	("4) (17)
l' È	DY WOYd. MAINT :
	TOURS IN WAY
	printfef (world dominately)
	printfet (wordy: dounty")
	or results ("word (ounts."):  or word, count in word-counts.items ():  printfet" (wordy: downty")
	printfet" (wordy: dcounty")
	printfet (worly: dcounty")
	printfet (worly: dcounty")
	The state of the s
Y AN A W.	The state of the s
	Annual Language verification
	Annual Language verification
	My total land to an investigation of the contract of the contr
	My total land to an investigation of the contract of the contr
WAR WILL	My total land to an investigation of the contract of the contr
	Manual Indian American Manual Indian Manual

Parul® University	NAAC ()++
University	ACCREDITED UNIVERSITY

Pg. No. :	18
Date :	

. 4	
	Solution-2
	from collections import defaultdict from multiprocessing import pool
	Trunch many bior or all constants
	110113 MUNITIPIOCESSING (MYOLF POO)
	+ Muscax Fig. 1:0
	# Mapper function
<u> </u>	
	det mupper (text).
- 1	word_count = detaul+dict (int)
1 1	for word in text split (int)
	Word - count [Word. (Ower)] +=1
	return word-count
100	
	# Reducer function
	det reducer (count_dicts).
	word count = default dict (int)
	for word count in count-dict items:
	word - count [word]+= count
A.	return word-Count
-	# Muin function to orchestrate MapRoduce process
	def myin ():
1.5 1.5	# Sumple input dutu
	duty =[
	"Hello Ward"
	"word is beautiful",
	"   dello beautiful world"
	# MW phuse
	with pools us pool:
	Mupped-duty = pool. Mup(myppex, duty)
-11-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Parul® University	NAAC OH	

	7
Pg. No. :	
Fig. 1 1 1	
Date:	

Pg. No.:
# Print the find the
print("word (ount")
for word, lound in reduced_result-items (): print (f"(wordy: a county")
if _ nume _ = " muin  muin ()
Large Company
High sull mine La Language Language and the second
THE TOTAL CONTRACT TO A STATE OF THE STATE O
A Company of the first tender of the second
Charles Commission of the Comm

grain.	Parul®	NAACOL
	University	NAACOH

7.	
Pg. No. : <u>20</u>	
ra .	************
Date :	

<u> 12/(ii)</u>	Mapreduce program in python using external date set with excel file:		
	set with excel file:		
	import pundas as pd		
	import pundus us pd import multiprocessing from collection import defultdict		
	man constitut thicon getningict		
	det museux (dutu):		
	det mupper (dutu):  word-count = defultdict (int)		
	for row in duty-itertuples ();		
	tor word in str(10w-text)-split ():		
3,23	word - count [word] = 1		
	return word-count		
A STATE OF THE STA	det reducer (word-counts):		
	time word- (wint = descipilation lint)		
de de la companya de	the word court in class condition		
-	return final word-count		
	return tinal-word-count		
	dad manayal and late		
	det mupreducer dutu, mum workers = 2):  pool = multiprocessing pool (process=num workers)  (hunk = [dutu [i [i tchunk = size ] for i in runge  (b, len(dutu), (hunk = size ]  Glard = (nint = pool mun(me eler size ]		
	Chunk = [dutu [i [i tchink size ] fox i in runce		
	(b, len(dutu), (hunk-size)		
	TIME - Word - Count = reducer (word - Counts)		
	POOL - (1048 ()		
	poul-join()		
	return finul-word Count  if nume == " main ":		
	mai - miqiri		

	Parul® University	NAAC OH
1		

Pg. No.:...2...

Date :
# Acud duty from Excel file
dt= pd-roud_excell'your excel-file.x15x')
result: muperduie (df, num-workers=2)
print (result)