1 2015 1 2025 Week 9/ SPARK : -(1) (using RDD and flatmap court new many times each word appears in file from Pysporis import Spankcontent SC = SpankContent (approme = "word count") file poetn = "poetno text" leat-file = SC. test-file (File-Path) words: text-File, flatmen (landa : l'ine SP1?+()) word-pairs: words. map (combda) result = filterwords. (ollect () for word, count in vesult: Print (word_count) SC. StopL) output! test-vad: Se parallelize (["hello world", "hello sopank", " hollo hello world spank spank spank" (hello!, 4), ('spane!, 4)

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(g)	Java Hadoop magreduce Program: 400 10		
	Frequent words in Alphabetical order.		
	mapper class		
	import java no 10 Exception;		
	emport org. apache. hadoop. io. Inturitable;		
	import org. apaché nadoop. 10. Text;		
	import org. apache. hødoop. mapreduce. Mapper;		
	public class wordlountmapper extends mapper Llongwrite		
	-able, Text, text, Intwritable ! of		
	Private final Static Intluvitable one : new Intuvital();		
	private Text Word = new Text ();		
	Public Void map Clong writable key, text value, Context		
	content) throws IO Exteption, Intersupted Exception ?		
	String[] words = value fostring(). to Lower (use ().		
	Sp18+("\w+");		
	for (String w: words)?		
	it (!w. istmpty cods		
	word . Set (w);		
	context. write (word, one);		
	3		
	7		
	7		
	7		
	Reducor class		
	import java. io. lo Exception;		
	emport java. atilet.		
	import org. expanse. hadoop. jo. Intuntable. import org. apache. hadoop. jo. Text: import org. apache. hadoop. napreduce. he ducor;		
	import org. apache. nodoop, magre duae. Re ducor,		

	PAGE NO : DATE :
	Pressio class word countreducer extends peducer 17ext, Intwritable, test, Intwritable > f
	private magashing, Integer Countrapina
	Hagnkrupes Co:
	Public void reduce (Text key, I terable & Intoritable)
	values, context context) {
	inf Sum =0;
	for Cintwritable. Val ". values) 1
	Sum += valoget():
	9
	count map . put (Key , to String (), Sum);
. %	99
	Protected void clean&PCcontext context) throws
	LOException, Interrupted Exception &
	count Map: entrySet (). Sheam ()
	. sorted (map, Entry, LShing, Integras Compain
	By Value (Compagator. revers or der CD)
	· then comparing (map . tinhy, comparing tyle
	· limit (10)
	for Each Centry -> 1
	try &
	new Intwittable (and a color of color
	new Intwritable (andy, get value (3); y could (IOException Interrupted Excepte)
	e. printstack tracecs;
	Cy Cy
	મ);
	7
e de la companya de l	

		PAGE NO: DATE:		
	Public dass toplowords f Public Stadi C Void main (String 5) angs)			
	tmows. Excuption	d		
		,		
	configuration continew			
	Job job = Job. get Instant	ce (conf, " top 10 m");		
	job. Set Map Out Put Kuy Class (7) job. Set out put Kuy Class (7)	-85 (In-1 w ritaus class);		
	gy stem. exit(job. weitfaccom	ple non(hwe)? 0°. 1);		
	Oufret,!			
	apple bonana apple mango ba	nana oronge		
apple bonana apple mango banana orone capple apple bonana grupe mango apple bonana grupe.				
	bonana giraft.			
	apple 5			
bonana 4 egrape 2 mongo d orange 1				
				orange 1
	U U			
-(3)	cleaning the text;			
	De comment e comment SPI	UN Consider of		
	from pusport import spank context			
	smport sie.			

