Sample 1/0:.
Input:
Cat > I home / Clouderal Praces file. txt

Hey Cassie
Hey Anu
Hey Nate
Hey Maky
Hey Any
Hi Nate

output: hdfs dfs-Cat/out/Portv-000

Anu 2
Cakie 1
Hey 1
Mi 1
Maddy 1
Nate 2

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To write a word court Dava program in to hadoop to implement the map reduce concept.

import java.io. 10 Exceptions
Import java.io. 10 Exceptions
Import java.util. String. Tokerizer;
import org. apache. hadoop. conf. Configuration;
import org. apache. hadoop. f. Path;
Import org. apache. hadoop. io. initititable;
import org. apache. hadoop. mapreduce. 30 b;
import org. apache. hadoop. mapreduce. Italia; Mappo;
import org. apache. hadoop. mapreduce. Reducer;
import org. apache. hadoop. mapreduce. lib. input. Fileinput format;
import org. apache. hadoop. mapreduce. lib. input. Fileinput Format;
import org. apache. hadoop. mapreduce. lib. output. Fileoutput Format;

Public class Word Courd?

Public static class tokenizer Mapper extends

Mopper cobject, text, text, Intiteritable > E

Private final static Intlitritable one: new littlinitable (1):

Private Text word = new Text ():

Public void map (Object kgy, text values, Context Context)

throws 10 Exception Interrupted Exception E

String Tokenizer it r = now String Tokenizer (value to String()); while (itr has More Tokens()) of word set (itr. More token ()) of

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word. set (it r. next token ());	
Context. write (word, one);	
3	
public static class int sum Reduce extends	1 . 5
Reducer < Text, Int writable, Text, Int Waritab	
Private. Int writable . result = new Int writable();	
public void reduce (Text key, Iterable < Int writable >	s ted Exception 8
values, Context Context) throws 10 Exception luter	rupi eo excepitoti
int sum =0;	
for (Int writeble validate) &	
for (Int writable vali value) & sum + = val. get ();	
3	
result set (sum).	
Context. write (key, result)	
y y	
J	
Public Static void main (String 1) args) throw	os Exception &
Configuration conf = new Configuration	
Job iob= job. getInstance (Conf., Word Cou	int 4);
ich (et lax By Class (words Court Class);	
is b. set Mapper Class (Tokenizer Mapper Class)	
iob cot Combiner Class (Ins Sum Reducer Class)	
job set Reducer class (Int sum Reducer. Class)	
int cot ortatae class (Text (lass))	
ios set output value class (Int writable class);	

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File Out put Format. addInput Path (job, new path Car File Out put Format, solat put path (job, new path) system. exit (job, wou't For Completion (true)	21 (01))
Result: The program was executed successfully.	
	*