**Big Data representation of resume**

Resume file used :



**Mapper and reducer code**

import java.util.\*;

import java.io.IOException;

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import org.apache.hadoop.fs.Path;

import org.apache.hadoop.conf.\*;

import org.apache.hadoop.io.\*;

import org.apache.hadoop.mapred.\*;

import org.apache.hadoop.util.\*;

import java.util.StringTokenizer;

public class ProcessTest{

//Mapper class

public static class Process\_Mapper extends MapReduceBase implements

Mapper<LongWritable ,/\*Input key Type \*/

Text, /\*Input value Type\*/

Text, /\*Output key Type\*/

IntWritable> /\*Output value Type\*/{

//Map function

public void map(LongWritable key, Text value,

OutputCollector<Text, IntWritable> output,

Reporter reporter) throws IOException{

String line = value.toString();

if (!line.isEmpty() && (!(line.substring(0,1).matches("[0-9]")))){

String lasttoken = null;

StringTokenizer S = new StringTokenizer(line,"\t");

//String year = s.nextToken();

while(S.hasMoreTokens()){

String word1 = S.nextToken();

if (!(word1.equalsIgnoreCase("•")) &&!(word1.equalsIgnoreCase(":")) ){

if (word1.contains(",")){

String [] Sz\_arr =word1.split(",");

for (String t : Sz\_arr){

//System.out.println(t);

output.collect(new Text(t.toUpperCase()), new IntWritable(1));

}

}

else{

if (word1.contains("\\s+")){

String [] Sz\_arr1 =word1.split("\\s+");

for (String t1 : Sz\_arr1){

//System.out.println(t);

output.collect(new Text(t1.toUpperCase()), new IntWritable(1));

}

}

else{

output.collect(new Text(word1.toUpperCase()), new IntWritable(1));

}

}

}

}}

}

}

//Reducer class

public static class Process\_Reduce extends MapReduceBase implements

Reducer< Text, IntWritable, Text, IntWritable >{

//Reduce function

public void reduce(

Text key,

Iterator <IntWritable> values,

OutputCollector<Text, IntWritable> output,

Reporter reporter) throws IOException{

int sum=0;

while (values.hasNext()){

sum += values.next().get();

}

output.collect(key, new IntWritable(sum));

}

}

//Main function

public static void main(String args[])throws Exception{

JobConf conf = new JobConf(ProcessTest.class);

conf.setJobName("Resume\_Processing");

conf.setOutputKeyClass(Text.class);

conf.setOutputValueClass(IntWritable.class);

conf.setMapperClass(Process\_Mapper.class);

conf.setCombinerClass(Process\_Reduce.class);

conf.setReducerClass(Process\_Reduce.class);

conf.setInputFormat(TextInputFormat.class);

conf.setOutputFormat(TextOutputFormat.class);

FileInputFormat.setInputPaths(conf, new Path(args[0]));

FileOutputFormat.setOutputPath(conf, new Path(args[1]));

JobClient.runJob(conf);

}

}

**Output File**

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