

Code:

import java.util.\*;

import java.io.\*;

import java.lang.Object;

/\*\*

\* Write a description of class PrintText here.

\*

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\* @version 1/28/2017

\*/

public class PrintText

{

// instance variables - replace the example below with your own

/\*\*

\* Constructor for objects of class PrintText

\*/

public PrintText()

{

// initialise instance variables

}

/\*\*

\* static class-method

\*/

public static void main( String[] args ) //throws IOException

{

PrintText text = new PrintText();

//catch exception

try{

File inFile = new File( "datain.txt" ); //throws IO exception

Scanner scan = new Scanner( inFile );

String item\_class = null;

String cheapest\_item = null;

while( scan.hasNext() ){

//arraylist to find the index of min price

ArrayList num = new ArrayList( scan.nextInt() );

int min\_num\_index = num.indexOf( Collections.min(num));

//array to get the item class and cheapest item

Object[] inputs = new Object[]{ scan.next() };

for( int i=0; i<inputs.length; i++){

item\_class = inputs[0].toString();

System.out.println( "item class :" + item\_class );

cheapest\_item = inputs[min\_num\_index-1].toString();

System.out.println( "cheapest item :" + cheapest\_item );

}

scan.close();

}

File outFile = new File( "dataout.txt" );

FileWriter written = new FileWriter( outFile.getAbsoluteFile() );

PrintWriter print = new PrintWriter( written );

while( written != null ){

print.println( "the cheapest " + item\_class +

"is " + cheapest\_item);

}

print.close();

}

catch( Exception e ){

System.out.println( e );

}

}

}

Datain file:

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