package heapfile;

import java.io.File;

import java.io.PrintWriter;

import java.util.Scanner;

/\*\*

\*

\* @author lab515

\*/

public class Heapfile {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

Heap<Integer> h1 = new Heap<>();

try

{

Scanner s = new Scanner(new File("marks.txt"));

int n = s.nextInt();

for (int i = 0; i < n; i++) {

h1.add(s.nextInt());

}

PrintWriter p = new PrintWriter(new File("output.txt"));

while(!h1.isEmpty())

{

p.println(h1.deleteMax());

}

p.close();

}

catch(Exception e)

{

System.out.println("file not found");

}

}

}