**Algorithms with Java: Retake Exam 04-07-2020**

This document defines the retake exam for ["Algorithms – Fundamentals (Java)" course @ Software University](https://softuni.bg/trainings/2991/algorithms-fundamentals-with-java-may-2020). Please submit your solutions (source code) of all below described problems in [Judge](https://judge.softuni.bg/Contests/2492/Algorithms-Fundamentals-with-Java-Retake-Exam-04-July-2020).

# 2. Hidden Values

*Those numbers again, some of them like to remain hidden and refuse to go in action.*

You will be given a list of integers **positive** or **negative**, you task is to find the **continuous subsequence** with the largest sum and reveal it.

## Input

The input will come from the console on a single line.

* On the single line the **sequence** of numbers **positive** or **negative** separated by a single space.

## Output

* On the first line print the **largest** **sum**
* Then on the second one **print** the **sequence separated by spaces**

## Constraints

* The range of the integers will be **[-10000…10000]**

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1 2 1 -7 2 -1 40 -89 | 41  2 -1 40 |
| -5 -4 -10 -3 -1 -12 -6 | -1  -1 |

*“The worst thing you can do is nothing.” (Snuff)*