# C++ Fundamentals – Exam

# The following tasks should be submitted to the SoftUni Judge system.

## Fun Sequence

Write a program which **reads a sequence of integers**, then finds and prints the numbers that are **even** and are **lower than the average** value in the sequence. Sort the numbers in **descending** order.

## Input

Read from the console:

* An integer number – size of the array.
* A sequence of numbers – the elements of the array.

## Output

Print the described above numbers on a single line, space separated. Print “**No**” if no numbers hold the above property or if the size of the array is a non-positive number.

## Constraints

All input numbers are integers in range [-1 000 000 … 1 000 000]. The count of numbers is in range [1…50].

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 8  -7 6 4 4 8 3 12 -6 | -6 | Average number = 3.  Numbers lower than 3 are: {-7, -6}.  Among them, only -6 is an even number. |
| 10  15 50 -61 3 -22 222 -4 1 11 -5 | -4 -22 | Average number = 21.  Numbers lower than 21 are: {15, -61, 3, -22, -4, 1, 11, -5}.  The even numbers among them in descending order are: {-4, -22}. |
| 1  5 | No | Average number = 5.  There are no numbers, lower than 5. |