# C++ Fundamentals – Regular Exam

# 15 December 2024

You have to submit your solution here: <https://judge.softuni.org/Contests/5427/CPlusPlus-Fundamentals-Regular-Exam-15-December-2025>

## Array to Number

Write a program that:

* Read an **integer number (< 100)**, which represents **size of the array**, from the first line of the console
* Read an **array of integer numbers** from the second line of the console
* **Condense** them by **summing** adjacent couples of elements until a **single integer** is obtained

**Example:** If we have 3 elements {2, 10, 3}. We sum the first two and the second two elements and obtain {2+10, 10+3} = {12, 13}. Then we sum again all adjacent elements and obtain {12+13} = {25}.

### Example

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 3  2 10 3 | 25 | 2 10 3 🡪 2+10 10+3 🡪 12 13 🡪 12 + 13 🡪 25 |
| 5  5 0 4 1 2 | 35 | 5 0 4 1 2 🡪 5+0 0+4 4+1 1+2 🡪 5 4 5 3 🡪 5+4 4+5 5+3 🡪 9 9 8 🡪 9+9 9+8 🡪 18 17 🡪 18+17 🡪 35 |
| 1  1 | 1 | 1 is already condensed to number |