

# C++ Advanced - Exam (18 June 2022)

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

Only source code will be accepted as solution for each task.

## 2. Sum of Odds

Write a program that reads an **integer number**, used for the dimensions of a matrix, and a **sequence of numbers** (the elements of the matrix) and prints the **sum of all odd numbers on a non-diagonal position**.

### Example

5

6 9 8 3 7

9 0 3 8 9

1 5 5 4 6

0 4 2 4 5

8 2 7 8 9

The sum is: 51

### Input

- On the **first line**, you are given the integer **N** - **number of rows and columns** of the matrix [3...6]
- On the **second line**, you are given a sequence of elements - integer **numbers** [N\*N numbers]

### Output

- Print "The sum is: {sum}".

### Example Input and Output

Input	Output	Comments
3 1 3 5 2 4 6 8 9 7	The sum is: 12	Number of rows and columns: 3 The matrix is: 1 3 5      * 3 * 2 4 6 -> 2 * 6 8 9 7      * 9 * If the number is at non-diagonal position and is odd, add to the sum. sum = 3 + 9 = 12
4 4 65 32 6 1 8 9 0 5 16 15 1 6 13 16 133	The sum is: 85	