

# DATA STRUCTURES AND ALGORITHMS

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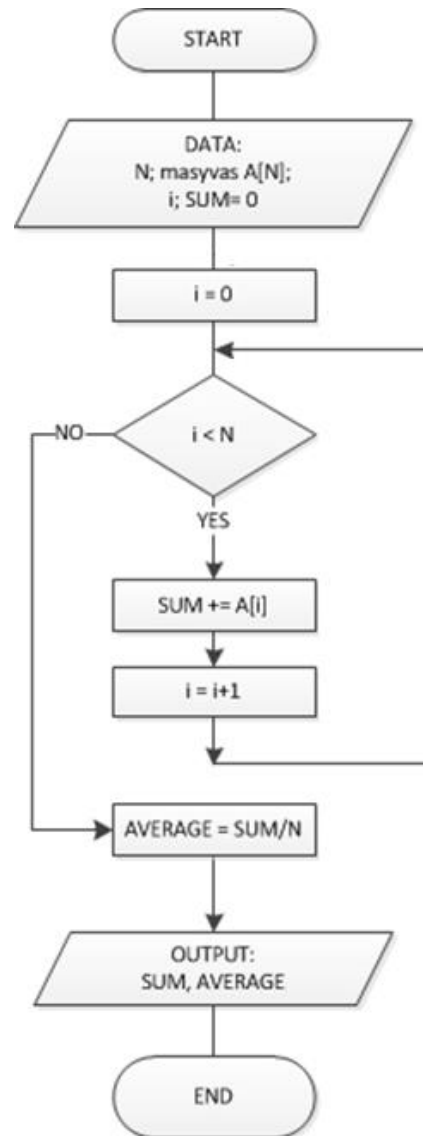
PRACTICE No. 1

Solving quadratic equations

# Exercises

1. Write a C code to find sum and average of the 10 numbers.
2. Write a C code to count how many positive and negative numbers are among 10 numbers.

# Flowchart



# Homework

## No.1

Write a program that shows time (hour:min:sec) after 1 minute starting from now.

You can use function *time()*, *localtime()* from the header file *time.h* to read system time.

## No. 2

Write a program that makes output of random numbers 0 and 1 to the screen. These numbers must fulfill whole screen like in movie “*Matrix*”.

# Homework

## No.3

Write a program that prints out all prime numbers from 1 till 1 billion. Implement at least 3 algorithms and compare running time. Count how many prime numbers are within aforementioned interval.