

Низкоуровневое программирование

Лабораторная работа №3

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Задание

#Assignment: Scalar Product

A scalar product of two vectors The solution should consist of:

- Two global arrays of int of the same size.
- A function to compute the scalar product of two given arrays.
- A main function which calls the product computations and outputs its results.

#Assignment: Prime Number Checker

You have to write a function to test the number for primarity. The interesting thing is that the number will be of the type unsigned long and that it will be read from stdin.

- You have to write a function `int is_prime(unsigned long n)`, which checks whether n is a prime number or not. If it is the case, the function will return 1; otherwise 0.
- The main function will read an unsigned long number and call `is_prime` function on it. Then, depending on its result, it will output either yes or no. Read man `scanf` and use `scanf` function with the format specifier `%lu`. Remember, `is_prime` accepts unsigned long, which is not the same thing as unsigned int!

Листинг метода

https://github.com/mashinakatherina/Low_Level_Programming/blob/master/Lab3/lab3.c

Вывод

Выполнив эту лабораторную работу, я реализовала подсчет скалярного произведения двух векторов и проверку числа на простоту. Также познакомилась с основами синтаксиса языка C.