

Lab 6.7.9.11 Main parameters

Objectives

Familiarize the student with:

- Main function parameters
- Simple arithmetic
- Printing on screen

Scenario

Write a program that allows the user to pass the parameters to be executed and compute the results of some mathematical operations. Your program should support the following operations:

- add
- sub
- mul

All operations require an additional two arguments. Some examples of program calls include:

- program.exe add 1 3
- program.exe sub 2 3
- program.exe mul 2 5

When there are no parameters, the parameters contain the wrong numbers or a parameter is invalid, the program should print the message: "Wrong parameters" (or you can think about your own message with regard to the proper form of program execution). The first parameter must be one of the three previous strings, while the second and third parameters must be integer numbers. To find out which of the commands has been passed, you may use the *strcmp* function. Your version of the program must print the same result as the expected output. This is one of the tasks which can only be executed in your personal environment. If you use an IDE, you can check the options of debug/execute to pass the arguments. You don't always need to run the program from outside the IDE.

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    /* your code */
    return 0;
}
```

Example input

add 1 3

Example output

add 1 3: 4

Example input

sub 2 3

Example output

sub 2 3: -1

Example input

```
mul 2 5
```

Example output

```
mul 2 5: 10
```