Lab 3.6.1 Modifying a function argument's value – how do we do it?

Objectives

Familiarize the student with:

- the concept of passing arguments by reference;
- using a function in order to modify its arguments.

Scenario

We need a very specific function and we need it ASAP. This is how we imagine it:

- its name is "increment";
- it returns **void**;
- when invoked with one argument (an int variable), it simply increments the variable by 1;
- when invoked with two arguments (an int variable and int expression), it increments the variable by the expression's value.

Sorry, we cannot show you the function's header – it would be too easy. We'll only show you how we invoke the function – the rest is up to you.

Complete the code below.

Run your code and check whether your output is the same as ours.

```cpp
#include <iostream>

using namespace std;

// Insert your function here

int main(void) {
 int var = 0;
 for(int i = 0; i < 10; i++)
  if(i % 2)
   increment(var);
  else
   increment(var,i);
 cout << var << endl;
 return 0;
}
```

Example output

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