

Lab 2.2.25.2 Priorities and parentheses: part 2

Objectives

Familiarize the student with:

- Fixing errors in a program
- Doing simple math with operators, variables and numbers
- Order of operations
- Use of parentheses to change the order of operations
- Printing on screen

Scenario

Check the program below. Find all possible compilation errors and logic errors. Fix them, but you may not change any numeric values. However, you may use parentheses (you can add or remove them). Your version of the program must print the same result as the expected output. Before you use your compiler, try to find the errors only by manual code analysis.

```
#include <stdio.h>

int main()
{
    int xValue = 3;
    int yValue = 2;
    int result = (xValue + yValue * 2 + yValue);
    int smallResult = xValue + yValue * 4 - xValue);
    printf("the result is: %d\n", result);
    printf("the small result is: %d\n", smallResult);
    return 0;
}
```

Example output

```
the result is: 20
the small result is: 5
```