Lab 2.2.10.6 Operators: part 6

Objectives

Familiarize the student with:

- Using operators,
- Building simple expressions,
- Translating verbal description into programming language

Scenario

Take a look at the code below: it assigns two integer values, manipulates them and finally outputs the *result* and *bigresult* variables. The problem is that the manipulations have been described using natural language, so the code is completely useless now.

We want you to act as an intelligent (naturally!) compiler and to translate the formula into a real "C" code notation.

Test your code using the data we have provided.

```
#include <stdio.h>

int main(void)
{
 int xValue=5;
 int yValue=9;
 int result;
 int bigResult;

 /*
  increment xValue by 3
  decrement yValue by xValue
  multiply xValue times yValue giving result
  increment result by result
  decrement result by 1
  assign result modulo result to yValue
  increment result by result added to xValue
  assign result times result times result to bigResult
  increment result by xValue times yValue
 */

 printf("result: %d\n", result);
 printf("big result: %d\n", bigResult);
 return 0;
}
```

Example output

```
result: 38
big result: 54872
```