

```
1 // parameter_called_by_dereference.cpp
2 //
3 #ifdef _WIN32
4     #include <tchar.h>
5     #include <conio.h>
6 #elif (defined __linux__) || (defined _AIX)
7     typedef char _TCHAR;
8     #define _tmain main
9 #endif
10
11 #include <stdio.h>
12 #include <iostream>
13 using namespace std;
14
15 void my_getch();
16 void function3(int*, int*);
17
18 int _tmain(int argc, _TCHAR* argv[])
19 {
20     int* x, * y, i;
21
22     x = new int;
23     y = new int;
24     cout << "\nZadajte 2 cele cisla: ";
25     cin >> *x >> *y;
26     for (i = 0; i < 5; i++)
27         function3(x, y);
28     cout << "\n5x pouzita inkrementacna function3 dava vysledky " << *x
29          << " a " << *y << ".\n";
30     delete y;
31     delete x;
32
33     // D R U H Y   S P O S O B
34     cout << "\nDruhy sposob:\n";
35     int xx, yy, * xx_ptr, * yy_ptr;
36
37     xx_ptr = &xx;
38     yy_ptr = &yy;
39     cout << "Zadajte 2 cele cisla: ";
40     cin >> xx >> yy;
41     for (i = 0; i < 5; i++)
42         function3(xx_ptr, yy_ptr);
43     cout << "\n5x pouzita inkrementacna function3 dava vysledky " << xx
44          << " a " << yy << ".\n";
45
46     my_getch();
47     return 0;
48 }
49 //-----
50 void my_getch()
51 {
52 #ifdef _WIN32
53     _getch();
```

```
54 #else
55     cout << endl;
56 #endif
57 }
58 //-----
59 void function3(int* a, int* b) // volanie parametrov odkazom by dereference
60 {                               // *a a *b su smerniky na aktualne parametre x a y
61     (*a)++;                     // t.j., parametre a a b mozu byt vystupne
62     (*b)++;
63 }
64 //-----
65
```