

```

1 // do_while_max.cpp
2 //
3 #ifdef _WIN32
4     #include <tchar.h>
5     #include <conio.h>
6 #elif (defined __linux__) || (defined _AIX) || (defined __APPLE__)
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
17 int _tmain(int argc, _TCHAR* argv[])
18 {
19     unsigned i, x, max, max1, max2, pocet_max, suma_x;
20
21     max = 0;
22     suma_x = 0;
23     pocet_max = 0;
24     i = 0;
25     cout << "\nZadavajte kladne cele cisla, pokym ich sucet nepresiahne cislo 500.\n";
26     do {
27         cout << "x = ";
28         cin >> x;
29         if (x > max) {
30             max = x;
31             max1 = max2 = i;
32             pocet_max = 1;
33         }
34         else {
35             if (x == max) {
36                 pocet_max++;
37                 max2 = i;
38             }
39         }
40         suma_x += x;
41         i++;
42     } while (suma_x <= 500);
43
44     cout << "\nMaximum " << max << " sa prvý krát vyskytlo na " << max1 + 1
45         << "-tom mieste" << "\na posledný raz na " << max2 + 1
46         << "-tom mieste, celkovo " << pocet_max << "-krát.";
47
48     my_getch();
49     return 0;
50 }
51
52 void my_getch()
53 {
54     #ifdef _WIN32
55         _getch();
56     #else
57         cout << endl;
58     #endif
59 }

```