

```
1 // while_field.cpp
2 //
3 #ifndef _WIN32
4     #pragma warning(disable:4996)
5     #include <tchar.h>
6     #include <conio.h>
7 #elif (defined __linux__) || (defined _AIX)
8     typedef char _TCHAR;
9     #define _tmain main
10 #endif
11
12 #include <stdio.h>
13 #include <string.h>
14 #include <iostream>
15 using namespace std;
16
17 void my_getch();
18
19 int _tmain(int argc, _TCHAR* argv[])
20 {
21     float suma, priemer, x[601];
22     unsigned i, j, pocet;
23
24     i = 0;
25     suma = 0;
26
27     cout << "\n Zadajte postupnost cisel z intervalu <-100,100> ukoncenu cislom"
28         << " vacsim nez 100.\nNajдите pocet tych prvkov postupnosti, ktore su vacsie"
29         << " nez aritmeticky priemer\nvsetkych prvkov postupnosti. Predpokladajte,"
30         << " ze pocet cisel je mensi nez 600.\n\n";
31
32     cout << "x[" << i << "]= ";
33     cin >> x[i];
34     while (x[i] <= 100) {
35         suma += x[i];
36         i++;
37         cout << "x[" << i << "]= ";
38         cin >> x[i];
39     }
40
41     if (i > 0) {
42         priemer = suma / i;
43         pocet = 0;
44         for (j = 0; j < i; j++)
45             if (x[j] > priemer)
46                 pocet++;
47
48         char str1[6] = "la_la", str2[14];
49         switch (pocet) {
50             case 0: strcpy(str1, "cisel"); strcpy(str2, "bolo vacsich"); break;
51             case 1: strcpy(str1, "cislo"); strcpy(str2, "bolo vacsie"); break;
52             case 2:
53             case 3:
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54     case 4: strcpy(str1, "cisla"); strcpy(str2, "boli vacsie"); break;
55     default: strcpy(str1, "cisel"); strcpy(str2, "bolo vacsich"); break;
56     }
57     printf("\n%i %s z nacistanej postupnosti %s nez jej priemer.\n",
58           pocet, str1, str2);
59     }
60     else
61         cout << "\nPostupnost je prazdna.\n";
62
63     my_getch();
64     return 0;
65 }
66
67 void my_getch()
68 {
69     #ifdef _WIN32
70         _getch();
71     #else
72         cout << endl;
73     #endif
74 }
```