

```

1 // sorting_of_field.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     float pomoc, x[1000];
20     unsigned i, n;
21     bool kaz;
22
23     cout << "\n Vstupne udaje tvori prirodzene cislo z intervalu od 2 do 1000"
24          << "a dalej\n postupnost n cisel. Zoradte ich od najvacsieho po
25          najmensie.\n\n";
26
27     cout << "Zadajte pocet cisel. Toto cislo ma byt z intervalu od 2 do 1000.\n";
28     do {
29         cout << " n = ";
30         cin >> n;
31     } while (!(n >= 2 && n <= 1000));
32
33     cout << "\nZadajte " << n << " cisel:\n";
34
35     for (i = 0; i < n; i++) {
36         cout << " x[" << i << "] = ";
37         cin >> x[i];
38     }
39
40     do {
41         kaz = false;
42         for (i = 0; i < n - 1; i++)
43             if (x[i] < x[i + 1]) {
44                 pomoc = x[i];
45                 x[i] = x[i + 1];
46                 x[i + 1] = pomoc;
47                 kaz = true;
48             }
49     } while (kaz);
50
51     cout << "\nProgram usporiadal nacitanu postupnost od najvacsieho cisla po
52     najmensie:\n ";
53     for (i = 0; i < n - 1; i++)
54         cout << x[i] << ", ";
55     cout << x[n - 1] << ".\n";
56
57     my_getch();
58     return 0;
59 }
60
61 void my_getch()
62 {
63     #ifdef _WIN32
64         _getch();
65     #else
66         cout << endl;
67     #endif
68 }

```