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1 // control_structures.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 <math.h>
13 #include <set>
14 #include <iostream>
15 using namespace std;
16
17 void my_getch();
18
19 int _tmain(int argc, _TCHAR* argv[])
20 {
21     short i, j, n, x[10];
22
23     std::set<short> MySet;
24     std::set<short>::iterator it;
25
26     MySet.clear();
27     cout << "\nZadajte cele cislo rovne alebo vacsie ako 5"
28          << " a rovne alebo mensie nez 10!\n = ";
29
30     do
31         cin >> n;
32     while (n < 5 || n>10);
33
34     cout << "\nZadajte " << n << " celych cisel oddelenych medzerou: ";
35     for (i = 0; i < n; i++)
36         cin >> x[i];
37
38     for (i = 0; i < n; i++)
39         MySet.insert(x[i]);
40
41     cout << "\nPrvky mnoziny MySet su: ";
42     for (it = MySet.begin(); it != MySet.end(); ++it)
43         cout << *it << " ";
44
45     cout << "\n\nVypis (*it > x[2]) ? (cout << -( *it) << \" \")"
46          << " : (cout << *it << \" \") : ";
47     for (it = MySet.begin(); it != MySet.end(); ++it)
48         *it > x[2] ? cout << -( *it) << " " : cout << *it << " ";
49
50     cout << "\n\nPrvky mnoziny MySet s podmienkou if (*it == x[2]) break; su: ";
51     for (it = MySet.begin(); it != MySet.end(); ++it) {
52         cout << *it << " ";
53         if (*it == x[2])
54             break;
55     }
56
57     cout << "\n\nVypis for(it = MySet.begin(), j = 0; it != MySet.end(),"
58          << " j < n; ++it, j += 2): ";
59     for (it = MySet.begin(), j = 0; it != MySet.end(), j < n; ++it, j += 2)
60         cout << *it << " ";
61
62     cout << "\n\nPrvky mnoziny MySet s podmienkou if (*it == x[2]) goto jump; su: ";
63     for (it = MySet.begin(); it != MySet.end(); ++it) {
64         cout << *it << " ";
65         if (*it == x[2])
66             goto jump;
67     }
68
69     cout << "Tato sprava sa na obrazovku nevypise!";
70
71     jump:
72     cout << "\n\nPrvky mnoziny MySet s podmienkou if (*it == x[2]) continue; su: ";
73     for (it = MySet.begin(); it != MySet.end(); ++it) {
74         if (*it == x[2])

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74         continue;
75     cout << *it << " ";
76 }
77
78 cout << "\n\nPrvky množiny MySet s podmienkou if(*it >= x[1]"
79 << " && *it <= x[3]) su: ";
80 for (it = MySet.begin(); it != MySet.end(); ++it)
81     if (*it >= x[1] && *it <= x[3])
82         cout << *it << " ";
83
84 for (i = 1; i < n; i += 2) // i+=2 znamena i = i+2
85     MySet.erase(x[i]);
86
87 cout << "\n\nPrvky množiny MySet po vymazani kazdeho druheho prvku su: ";
88 for (it = MySet.begin(); it != MySet.end(); ++it)
89     cout << *it << " ";
90
91 cout << "\n\nVetvenie switch bude vysvetlene v nasledujucej ukazke.";
92 cout << "\n\nPrikaz return je pouzity napr. na konci kazdeho programu.";
93
94 my_getch();
95 return 0;
96 }
97
98 void my_getch()
99 {
100 #ifdef _WIN32
101     _getch();
102 #else
103     cout << endl;
104 #endif
105 }

```