

```
1 // prefix_and_postfix.cpp
2 //
3 // Prefixovy a postfixovy operator ++ pro vycetovy typ
4 #ifdef _WIN32
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 <iostream>
13 using namespace std;
14
15 enum dny { po, ut, st, ct, pa, so, ne };
16
17 dny operator++(dny& d) // Prefixovy operator
18 {
19     int i = d;
20     i++; // Zde se pouzije operator ++ pro cela cisla
21     if (i > ne) i = po;
22     d = dny(i); // Zmenime operand
23     return d; // a zmeneny operand vratime
24 }
25
26 dny operator++(dny& d, int) // Postfixovy operator
27 {
28     dny D = d; // Zapamatujeme si puvodni hodnotu
29     int i = d; // zmenime operand
30     i++;
31     if (i > ne) i = po;
32     d = dny(i);
33     return D; // a puvodni hodnotu vratime
34 }
35
36 void my_getch();
37
38 int main()
39 {
40     dny d = po;
41     cout << endl << "dny d = po; d = " << d << endl;
42     dny e = ++d;
43     cout << "dny e = ++d; e = " << e << endl << endl;
44
45     d = po;
46     cout << "d = po; d = " << d << endl;
47     e = d++;
48     cout << "e = d++; e = " << e << endl;
49     cout << "d = " << d << endl;
50     my_getch();
51     return 0;
52 }
53 //-----
```

```
54 void my_getch()
55 {
56 #ifdef _WIN32
57     _getch();
58 #else
59     cout << endl;
60 #endif
61 }
62 //-----
63
```