

```

1: #include <iostream>
2: #include <string>
3: #include <map>
4: using namespace std;
5:
6: // Topic 10 >> Containers, e.g., map
7:
8: string dayNumToName(int d)
9: {
10:     const string DAYS[7] = {"Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"};
11:     return DAYS[d - 1];
12: }
13:
14: int dayNameToNum(string n)
15: {
16:     map<string, int> DAYS = {{"Mon",1}, {"Tue",2}, {"Wed",3}, {"Thu",4}, {"Fri",5},
17:     {"Sat",6}, {"Sun",7}};
18:     DAYS["Monday"] = 1;
19:
20:     return DAYS[n];
21: }
22:
23: int main()
24: {
25:
26:     cout << dayNumToName(1) << endl;
27:     cout << dayNameToNum("Mon") << endl;
28:     cout << dayNameToNum("Tue") << endl;
29:     cout << dayNameToNum("Monday") << endl;
30:     cout << dayNameToNum("monday") << endl;
31:
32:     system("pause");
33:     return 0;
34: }

```