



12.1.cpp

Settings

1. bash

```
1 #include <iostream>
2 #include <iomanip>
3
4 using namespace std;
5 int main() {
6     string months[12] = {"january", "february", "march", "april", "may", "june", "july", "august", "september", "october", "november", "december"};
7     int yearly[12][2] = {{1, 31}, {2, 28}, {3, 31}, {4, 30}, {5, 31}, {6, 30}, {7, 31}, {8, 31}, {9, 30}, {10, 31}, {11, 30}, {12, 31}};
8
9     int days = 0;
10    for(int i = 0; i < 12; i++) {
11        cout << months[i] << endl;
12        for (int j = 0; j < days % 7; j++) {
13            cout << "\t";
14        }
15        for (int k = 1; k <= yearly[i][1]; k++) {
16            cout << k;
17            if ((days + k) % 7 == 0) {
18                cout << endl;
19            }
20            else{
21                cout << "\t";
22            }
23        }
24        days += yearly[i][1];
25        cout << endl << endl;
26    }
27 }
28
```

```
january
1      2      3      4      5      6      7
8      9     10     11     12     13     14
15     16     17     18     19     20     21
22     23     24     25     26     27     28
29     30     31

february
5      6      7      1      2      3      4
12     13     14     15     16     17     18
19     20     21     22     23     24     25
26     27     28

march
5      6      7      1      2      3      4
12     13     14     15     16     17     18
19     20     21     22     23     24     25
26     27     28     29     30     31

april
2      3      4      5      6      7      1
9      10     11     12     13     14     15
16     17     18     19     20     21     22
23     24     25     26     27     28     29
30

may
7      1      2      3      4      5      6
14     15     16     17     18     19     20
21     22     23     24     25     26     27
28     29     30     31

june
4      5      6      7      1      2      3
11     12     13     14     15     16     17
18     19     20     21     22     23     24
25     26     27     28     29     30

july
2      3      4      5      6      7      1
9      10     11     12     13     14     15
16     17     18     19     20     21     22
23     24     25     26     27     28     29
30     31

august
6      7      8      1      2      3      4      5
13     14     15     16     17     18     19
20     21     22     23     24     25     26
27     28     29     30     31

september
3      4      5      6      7      1      2
10     11     12     13     14     15     16
17     18     19     20     21     22     23
24     25     26     27     28     29     30

october
1      2      3      4      5      6      7
8      9      10     11     12     13     14
15     16     17     18     19     20     21
22     23     24     25     26     27     28
29     30     31

november
5      6      7      1      2      3      4
12     13     14     15     16     17     18
19     20     21     22     23     24     25
26     27     28     29     30

december
3      4      5      6      7      1      2
10     11     12     13     14     15     16
17     18     19     20     21     22     23
24     25     26     27     28     29     30
31
```

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