

406410114 UVA12019 Doom's Day Algorithm

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#include <bits/stdc++.h>
using namespace std;

// 1/12 2/22 3/28 4/4 5/9 6/6 7/11 8/8 9/5 10/10 11/7 12/12
int main(){
    int i,j,k,n,month,day;
    string week[7] = { "Sunday","Monday","Tuesday","Wednesday","Thursday","Friday","Saturday" };
    int mday[12] = { 31,28,31,30,31,30,31,31,30,31,30,31 };
    cin >>n;
    for ( i = 0 ; i <n;i++ ){
        cin >> month >> day;
        int ww = day+5 ;
        for ( j = 0;j<month-1;j++ )
            ww+=mday[j];
        cout<< week[ww%7] <<endl;

        }//for

        return 0;
    }//main()
```