Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Saturday, 30 November 2024, 11:37 AM
Duration	23 days 5 hours

Question 1

Correct

Marked out of 3.00

⚑ Flag question

Some data sets specify dates using the year and day of year rather than the year, month, and day of month. The day of year (DOY) is the sequential day number starting with day 1 on January 1st.

There are two calendars - one for normal years with 365 days, and one for leap years with 366 days. Leap years are divisible by 4. Centuries, like 1900, are not leap years unless they are divisible by 400. So, 2000 was a leap year.

To find the day of year number for a standard date, scan down the Jan column to find the day of month, then scan across to the appropriate month column and read the day of year number. Reverse the process to find the standard date for a given day of year.

Write a program to print the Day of Year of a given date, month and year.

Sample Input 1

18

6

2020

Sample Output 1

170

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int daynl[]={31,28,31,30,31,30,31,31,
    int dayl[]={31,29,31,30,31,30,31,31,3
    int a,b,c;int day; int i=0;int n=0;
    scanf("%d\n%d\n%d",&a,&b,&c);
    if((c%400==0)||((c%100)!=0&&(c%4==0))
    {
        while(i<(b-1)){
            n = n+dayl[i];
            i++;
        }
        day = n+a;
    }else{
        while(i<(b-1)){
            n=n+daynl[i];
            i++;
        }
        day = n+a;
    }
    printf("%d",day);
    return 0;
}
```

	Input	Expected	Got	
✓	18 6 2020	170	170	✓

Passed all tests! ✓

Explanation:

· First is output of area of rectangle

· Then, output of area of triangle

· Then output of area square

· Finally, something random, so we print 0

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int a,b;
    char ch;
    scanf("%c\n%d\n%d",&ch,&a,&b);
    if(ch=='T'){
        printf("%d",a*b);
    }else if (ch=='R'){
        printf("%d",a*b);
    }else if (ch == 'S'){
        printf("%d",(a*b)/2);
    }else{
        printf("%d",0);
    }
return 0;
}
```

	Input	Expected	Got	
✓	T 10 20	200	200	✓
✓	S 30 40	600	600	✓
✓	B 2 11	0	0	✓
✓	R 10 30	300	300	✓
✓	S 40 50	1000	1000	✓

Passed all tests! ✓

Input format: •

Contain a number n (0 < n)

Output format: Print the name of the day you are arriving on

Example Input

7

Example Output

Kryptonday

Example Input

1

Example Output Monday

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int days;
    int daysinyear=296;
    scanf("%d %d",&days,&daysinyear);
    days = days % daysinyear;
    days = days % 10;
    switch(days){
        case 0:
        printf("Sunday");break;
        case 1:
        printf("Monday");break;
        case 2:
        printf("Tuesday");break;
        case 3:
        printf("Wednesday");break;
        case 4:
        printf("Thursday");break;
        case 5:
        printf("Friday");break;
        case 6:
        printf("Saturaday");break;
        case 7:
        printf("Kryptonday");break;
        case 8:
        printf("Coluday");break;
        case 9:
        printf("Daxamday");break;
    }
    return 0;
}
```

	Input	Expected	Got	
✓	7	Kryptonday	Kryptonday	✓
✓	1	Monday	Monday	✓

Passed all tests! ✓