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rudhran\_b\_2020\_1 ▾

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# PL-2022-C-Day of Year

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Problem

Submissions

Leaderboard

Discussions

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.

## Input Format

-

## Constraints

-

## Output Format

-

## Sample Input 0

```
18
6
2020
```

## Sample Output 0

```
170
```

[f](#) [t](#) [in](#)

Submissions: 548

Max Score: 100

Difficulty: Medium

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C ▾



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
```

```
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     int d,m,y;
10    scanf("%d\n%d\n%d",&d,&m,&y);
11    int feb=28;
12    if((y%4==0&& y%100!=0) || (y%400==0)){
13        feb+=1;
14    }
15    switch(m){
16        case 1:
17            d;
18            break;
19        case 2:
20            d+=31;
21            break;
22        case 3:
23            d+=31+feb;
24            break;
25        case 4:
26            d+=31+feb+31;
27            break;
28        case 5:
29            d+=31+feb+31+30;
30            break;
31        case 6:
32            d+=31+feb+31+30+31;
33            break;
34        case 7:
35            d+=31+feb+31+30+31+30;
36            break;
37        case 8:
38            d+=31+feb+31+30+31+30+31;
39            break;
40        case 9:
41            d+=31+feb+31+30+31+30+31+31;
42            break;
43        case 10:
44            d+=31+feb+31+30+31+30+31+31+30;
45            break;
46        case 11:
47            d+=31+feb+31+30+31+30+31+31+30+31;
48            break;
49        case 12:
50            d+=31+feb+31+30+31+30+31+31+30+31+30;
51            break;
52    }
53    printf("%d",d);
54    return 0;
55 }
56
```

Line: 1 Col: 1

 Upload Code as File☐ Test against custom input

Run Code

Submit Code