

# Days conversion

Days into Years, Months, and Days

## Description

Write a C program to convert days into years, months, and days. Year has 365 days. Month has 30 days.

## Code

```
1 /*
2  * NAME      : exercise_18.c
3  * DESCRIPTION : Read a integer (in days) and convert into years, months, and
4  *             days. Year has 365 days. Month has 30 days.
5  * AUTHOR    : iars
6  * CREATED   : W18 Sun 2025-May-04 17:26:45+0530
7  */
8
9 // How do you read unsigned integer? %u
10
11 #include<stdio.h>
12 int main(void)
13 {
14     unsigned int given_days = 0;
15     unsigned int years = 0;
16     unsigned int months = 0;
17     unsigned int days = 0;
18
19     printf("Enter days: ");
20     scanf("%u",&given_days);
21
22     years = given_days/365;
23     given_days = given_days - (years * 365);
24     months = given_days/30;
25     days = given_days - (months * 30);
26     given_days = given_days - days;
27
28     printf("Year(s): %u\n",years);
29     printf("Month(s): %u\n",months);
30     printf("Day(s): %u\n",days);
31
32     return 0;
33 }
```

# Compilation & Output

```
1 W18 Sun 2025-May-04 18:21:13+0530
2
3 CLANG OUTPUT
4 -----
5 Enter days: Year(s): 6
6 Month(s): 11
7 Day(s): 15
8
9 ***** CLANG OUTPUT END *****
10
11 W18 Sun 2025-May-04 18:21:13+0530
12
13 GCC OUTPUT
14 -----
15 Enter days: Year(s): 6
16 Month(s): 11
17 Day(s): 15
18
19 ***** GCC OUTPUT END *****
20
21 W18 Sun 2025-May-04 18:22:16+0530
22
23 CLANG OUTPUT
24 -----
25 Enter days: Year(s): 6
26 Month(s): 11
27 Day(s): 15
28
29 ***** CLANG OUTPUT END *****
30
31 W18 Sun 2025-May-04 18:22:16+0530
32
33 GCC OUTPUT
34 -----
35 Enter days: Year(s): 6
36 Month(s): 11
37 Day(s): 15
38
39 ***** GCC OUTPUT END *****
40
41 W18 Sun 2025-May-04 18:23:04+0530
42
43 GCC OUTPUT
44 -----
45 Enter days: Year(s): 6
46 Month(s): 11
47 Day(s): 15
48
```

```
49 ***** GCC OUTPUT END *****
50
51 W18 Sun 2025-May-04 18:23:10+0530
52
53 GCC OUTPUT
54 -----
55 Enter days: Year(s): 6
56 Month(s): 11
57 Day(s): 15
58
59 ***** GCC OUTPUT END *****
60
61 W18 Sun 2025-May-04 18:23:51+0530
62
63 GCC OUTPUT
64 -----
65 Enter days: Year(s): 2
66 Month(s): 9
67 Day(s): 0
68
69 ***** GCC OUTPUT END *****
70
71 W18 Sun 2025-May-04 18:23:53+0530
72
73 CLANG OUTPUT
74 -----
75 Enter days: Year(s): 2
76 Month(s): 9
77 Day(s): 0
78
79 ***** CLANG OUTPUT END *****
```

## Report

How to read **unsigned int** using **scanf()**?

Use **%u**