

```
1. #include <stdio.h>
```

```
int main () {
```

```
    int year, day = 0, i;
```

```
    char * week_days [ ] = { "Monday", "Tuesday",
```

```
    "Wednesday", "Thursday", "Friday", "Saturday", "Sunday";
```

```
    printf ("Enter year: ");
```

```
    scanf ("%d", &year);
```

```
    for (i = 1; i < year; i++) {
```

```
        if ((i % 400 == 0) || (i % 4 == 0 & i % 100 != 0))
```

```
            days += 366;
```

```
        else
```

```
            days += 365;
```

```
    }
```

```
    int day_index = days % 7;
```

```
    printf ("On 01/01/%d, it was '%s'\n", year, week_
```

```
    days [day_index]);
```

```
    return 0;
```


C main.c M X

C main.c > main()

```
1 #include <stdio.h>
2
3 int main() {
4     int year, days = 0, i;
5     char *week_days[] = {"Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday"};
6
7     printf("Enter year: ");
8     scanf("%d", &year);
9
10    for (i = 1; i < year; i++) {
11
12        if ((i % 400 == 0) || (i % 4 == 0 && i % 100 != 0))
13            days += 366;
14        else
15            days += 365;
16    }
17
18
19    int day_index = days % 7;
20
21    printf("On 01/01/%d, it was %s\n", year, week_days[day_index]);
22
23    return 0;
24 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
• abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
• abhaygupta@Abhays-MacBook-Air main.c % ./a.out
Enter year: 2026
On 01/01/2026, it was Thursday
• abhaygupta@Abhays-MacBook-Air main.c %
```

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OnePlus Nord 3 5G

Misraspatti | 10 September 2025 at 11:56 am

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