

```
a. #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;
}
```

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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
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19    int day_index = days % 7;
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21    printf("On 01/01/%d, it was %s\n", year, week_days[day_index]);
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24    return 0;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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

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Misraspatti | 10 September 2025 at 11:56 am

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