

```
1 //
2 // Created by hfwei on 2023/10/6.
3 //
4
5 #include <stdio.h>
6
7 int main(void) {
8     int year = 0;
9     scanf("%d", &year);
10
11     int leap = 0;
12
13     if (year % 4 != 0) {
14         leap = 0;
15     } else {
16         if (year % 100 != 0) {
17             leap = 1;
18         } else {
19             if (year % 400 != 0) {
20                 leap = 0;
21             } else {
22                 leap = 1;
23             }
24         }
25     }
26
27     if (leap == 0) {
28         printf("%d is a common year\n", year);
29     } else {
30         printf("%d is a leap year\n", year);
31     }
32
33     return 0;
34 }
```