

```
1 #include <stdio.h>
2 int main(){
3     int year;
4     printf("enter a year: ");
5     scanf("%d",&year);
6     if(year%4==0){
7         if (year%100==0)
8         {
9             if (year%400==0)
10                printf("%d is a leap year.",year);
11            else
12                printf("%d is not a leap year.",year);
13        }else
14            printf("%d is a leap year.",year);
15    }else
16        printf("%d is not a leap year.",year);
17    return 0;
18 }
```