

## step -1

`a = 2025`  
`a%4==0 and a%100`  
`or a%400==0`

## step -2

`int a = 2025;`  
`a%4==0 and a%100`  
`or a%400==0;`

```
1 //step 3
2 #include <stdio.h>
3
4 int main()
5 {
6     int a = 2025;
7
8     if (a % 4 == 0 && a % 100 != 0 || a % 400 == 0)
9         printf("The year %d is a leap year.\n", a);
10    else
11        printf("The year %d is not a leap year.\n", a);
12 }
13
```

```
1 //step 4
2
3 #include <stdio.h>
4
5 int main()
6 {
7     int year = 2025;
8
9     if (year % 4 == 0 && year % 100 != 0 || year % 400 == 0)
10        printf("The year %d is a leap year.\n", year);
11    else
12        printf("The year %d is not a leap year.\n", year);
13 }
14
```

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

```
1 //step 6
2
3 #include <stdio.h>
4
5 int main()
6 {
7     int year;
8
9     printf("Enter a year: ");
10    scanf("%d", &year);
11
12    if (year % 4 == 0 && year % 100 != 0 || year % 400 == 0)
13        printf("The year %d is a leap year.\n", year);
14    else
15        printf("The year %d is not a leap year.\n", year);
16
17    return 0;
18 }
19
```