3.LEAP YEAR OR NOT

Aim:

To write a c program to find whether a year is leap year or not.

Algorithm:

Step 1:Start the program.

Step 2:Get the year

Step 3:Check if the year modulo 4 equal to 0 and modulo 100 not equal to 0.

Step 4:Check if the year modulo 400 equal to 0.

Step 5:if yes print leap year.

Step 6:else print not leap year.

Program coding:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int year;
printf("\n enter the year:");
scanf("%d",&year);
If((year%4==0&&year%100!=0)||(year%400==0))
printf("\n %d is a leap year",year);
else
printf("\n %d is not a leap year",year);
getch();
}
```

Output:

```
enter the year:2018

2018 is not a leap year
```