

C Program

```
#include <stdio.h>
int main() {
    int year;
    scanf("%d",&year);
    if (year%400 == 0 || (year % 100!= 0 && year % 4 == 0))
        {printf("Leap Year");}
    else
        {printf("Not Leap Year");}
    return 0;
}
```

Algorithm

Step 1: Start

Step 2: input year

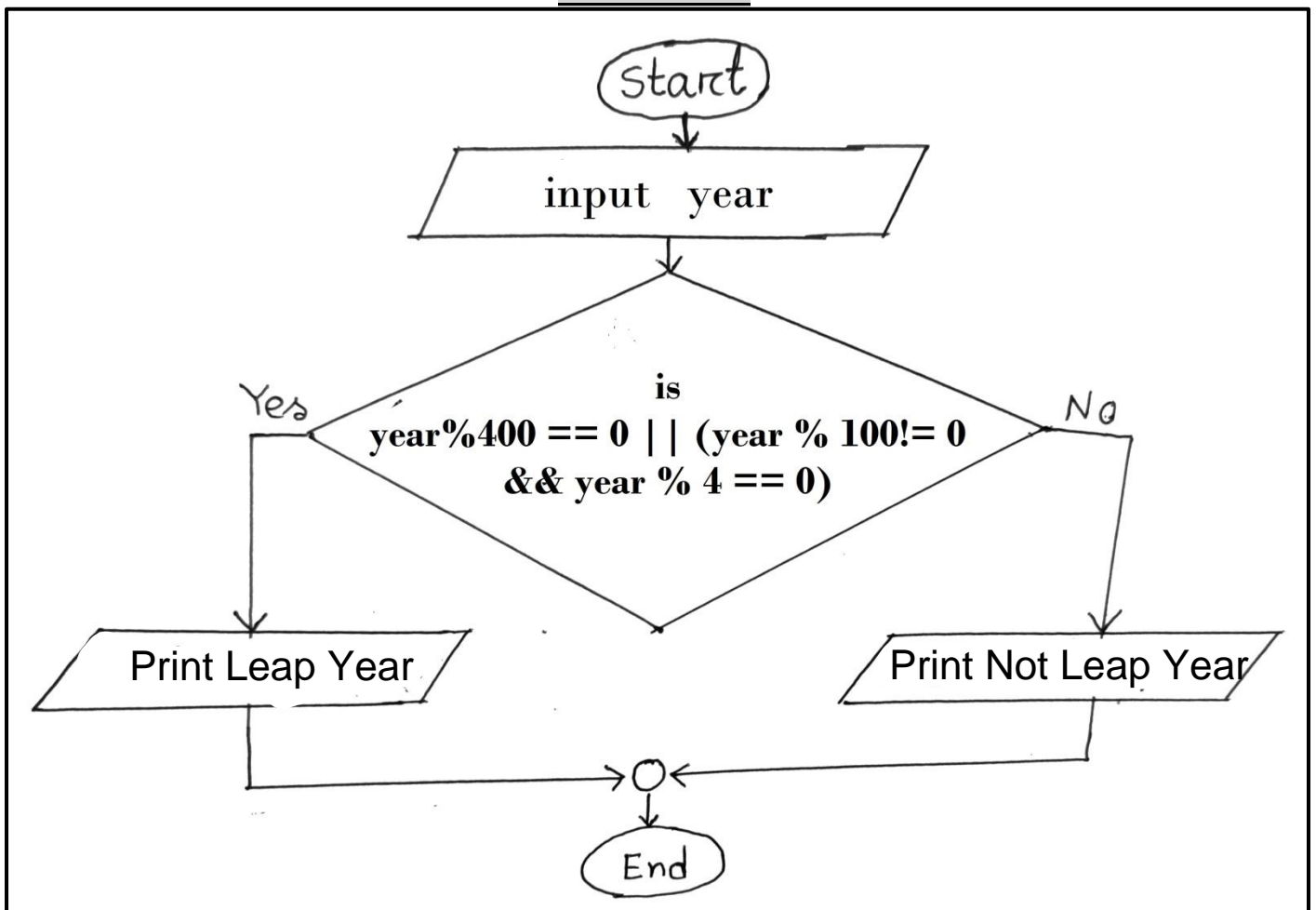
Step 3: is (year%400 == 0 || (year % 100!= 0 && year % 4 == 0))

i. Yes, Print "Leap Year"

ii. No, Print "Not Leap Year"

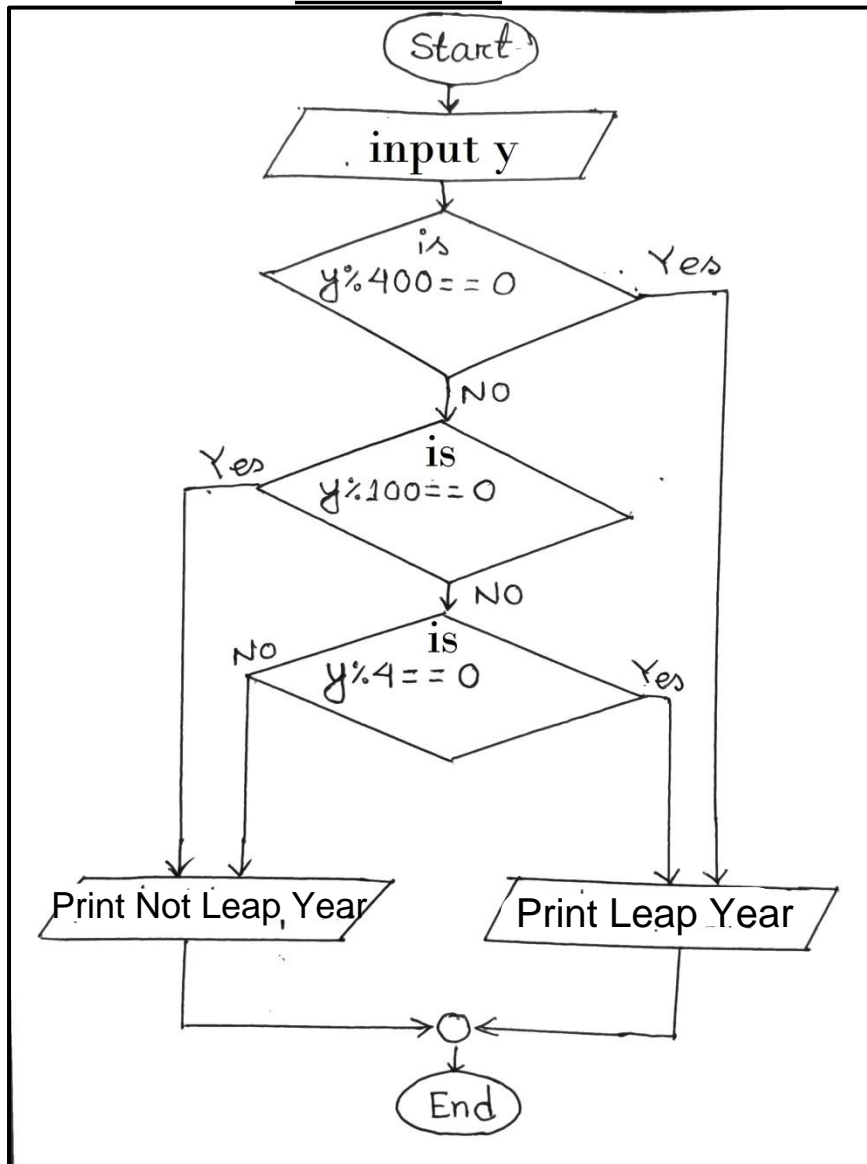
Step 4: End

Flowchart:



| C Program | Algorithm |
|---|--|
| <pre> #include <stdio.h> int main() { int y; scanf("%d", &y); if (y % 400 == 0) {printf("Leap Year");} else if (y % 100 == 0) {printf("Not Leap Year");} else if (y % 4 == 0) {printf("Leap Year");} else {printf("Not Leap Year");} return 0; } </pre> | <p> Step 1: Start Step 2: input y Step 3: is $y \% 400 == 0$ i. Yes, Print "Leap Year" ii. No, Go to step 4. Step 4: is $y \% 100 == 0$ i. Yes, Print "Not Leap Year" ii. No, Go to step 5. Step 5: is $y \% 4 == 0$ i. Yes, Print "Leap Year" ii. No, Print "Not Leap Year". Step 6: End </p> |

Flowchart:



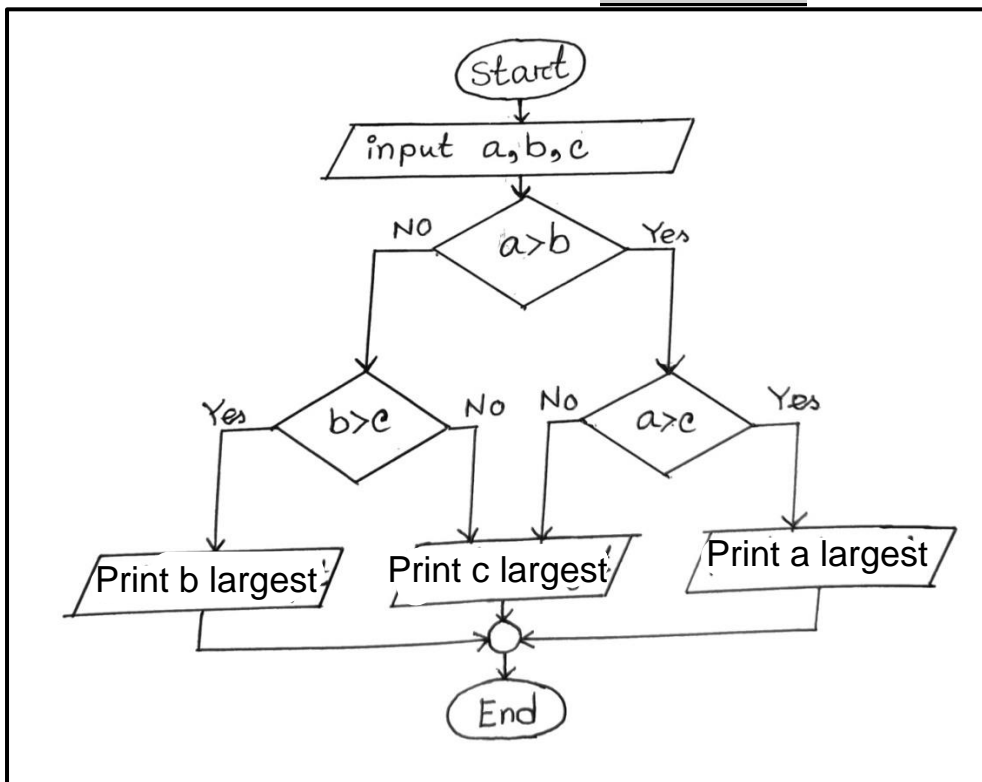
C Program

```
#include<stdio.h>
main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if(a>b)
    {
        if(a>c)
            {printf("Largest Number:a=%d",a);}
        else
            {printf("Largest Number:c=%d",c);}
    }
    else
    {
        if(b>c)
            {printf("Largest Number:b=%d",b);}
        else
            {printf("Largest Number:c=%d",c);}
    }
}
```

Algorithm

Step 1: Start
Step 2: input a,b,c
Step 3: is **a** greater than **b** ?
 (i) Yes. Go to Step 4
 (ii) No. Go to Step 5
Step 4: is **a** greater than **c** ?
 (i) Yes, Print **a** as the largest number.
 (ii) No, Print **c** as the largest number.
Step 5: is **b** greater than **c** ?
 (i) Yes, Print **b** as the largest number.
 (ii) No, Print **c** as the largest number.
Step 6: End

Flowchart:



| C Program | Algorithm |
|---|---|
| <pre> #include<stdio.h> int main(){ int A, B, C; scanf("%d %d %d", &A, &B, &C); if (A>B && A>C) {printf("Largest Number:A=%d",A);} else if (B>A && B>C) {printf("Largest Number:B=%d",B);} else {printf("Largest Number:C=%d",C);} return 0; } </pre> | <p>Step 1: Start</p> <p>Step 2: input A,B,C</p> <p>Step 3: is A>B and A>C ?</p> <p>i. Yes, Print A as the largest number.</p> <p>ii. No, Go to Step 4</p> <p>Step 4: is B>A and B>C ?</p> <p>i. Yes, Print B as the largest number.</p> <p>ii. No, Print C as the largest number.</p> <p>Step 5: End</p> |

Flowchart:

