**LEAP YEAR**

**AIM:**

Display future leap years from current year to find years entered by uses

**ALGORITHM:**

1. Start.
2. Read year and future year.
3. Check whether the given year is divisible by 4 or the year is not divisible by 100 and year is divisible by 400, that it is a leap year otherwise it is not a leap year.
4. Print leap year.
5. Stop.

**SOURCE CODE:**

curr = int(input("Enter the current year:"))

fut = int(input("Enter the future year:"))

print("Leap Years:")

for curr in range(curr,fut+1):

if((curr%4==0) and curr%100!=0 or curr%400==0):

print(curr)

**OUTPUT:**

Enter current year: 2022

Enter future year: 2050

Leap Years:

2024

2028

2032

2036

2040

2044

2048

**RESULT:**

Program ran successfully and output is verified.

**POSITIVE LIST OF NUMBERS**

**AIM:**

(a) Generate positive list of numbers from a given list of integers

**ALGORITHM:**

1. Input list of numbers and print the list.
2. Check for each value greater than 0 using loop and if condition.
3. Print the positive numbers.
4. Stop.

**SOURCE CODE:**

num = [21, -4, 21, 100, -3]

print("List:",num)

print("Positive Numbers:")

for x in num:

if(x>0):

print(x)

**OUTPUT:**

List: [21, -4, 21, 100, -4]

Positive Numbers:

21

21

100

**RESULT:**

Program ran successfully and output is verified.