Date: 18/10/24

# Calculate Area and Perimeter

Write an Algorithm and draw a Flowchart to Calculate the area and perimeter of a

### Algorithm:

Step-1: Start the program

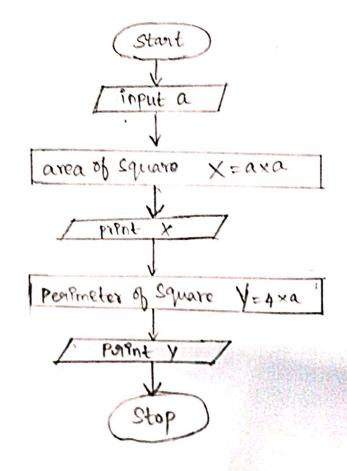
Step-3: Evaluate area of Square X=axa

Step-4: Point X

Step-5: Evaluate Porpmeter of Square Y=4xa

step-6: P919nt Y

Step-7: Stop



Ex. No.: 2

Date: 18/10/24

### **Days to Year Conversion**

Write an Algorithm and draw a Flowchart to convert the given days into years.& months.

#### Algorithm:

step-1! Start the program.

Step-2: Read value for a.

Step-3: Enter the Value for a

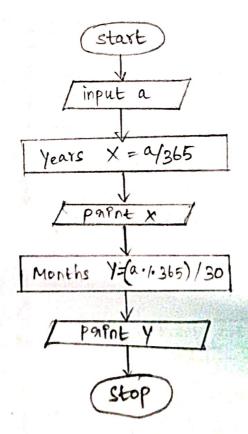
Step-4: Evaluate Years X = a/365

Step-5: Parnt X

step-6: Calculate months Y=(a.1.365)/30

Step-7: Prant Y

Step-8: Stop.



Ex. No.: 3

Date: 18/10/24

# **Prime Number**

Write an Algorithm and draw a Flowchart to check whether the given number is Prime or not.

#### Algorithm:

Step-1: Start the program.

Step-2: Read Value for n.

step-3: check % a number h 9s divisible by any

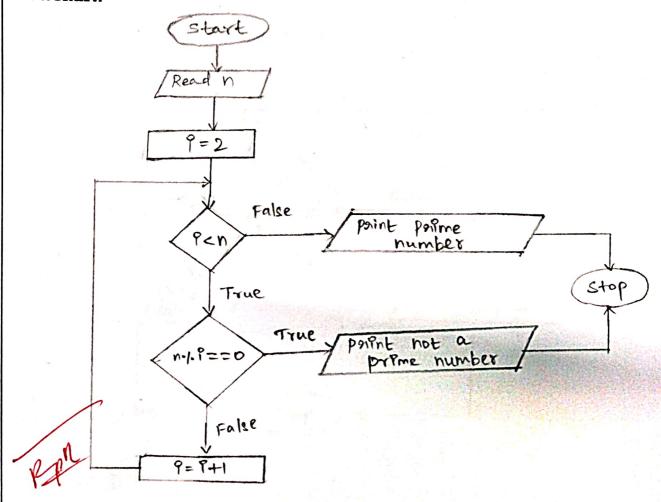
number from 2 to n-1 using for loop.

Step-4: If not devestble then 9t 9s a prime

humber.

Step-5: else 9t is not a prime number.

Step-6: Stop.



Date: 18/10/24

### Leap Year

Write an Algorithm and draw a Flowchart to check whether the given year is Leap year or not.

### Algorithm:

Step-1: start the program.

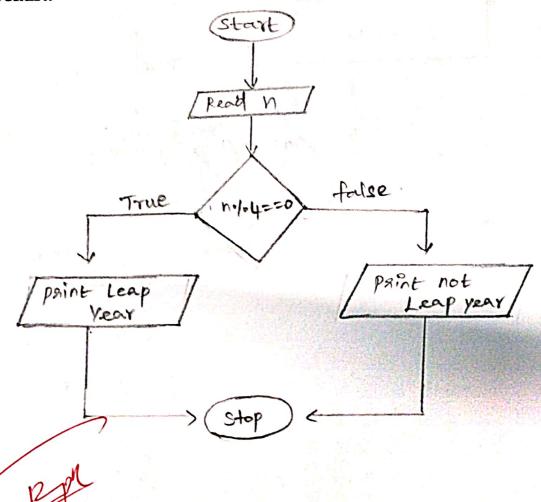
step-2: Enter a value of h

Step-3: check 96 n.104 ==0

step-4: pront leap year.

step-s: else prent Not leap year.

step-6: stop



Ex. No.: 5

Date: 18/10/24

#### Palindrome Number

Write an Algorithm and draw a Flowchart to check whether the given number is palindrome number or not.

### Algorithm:

step-1: Start the program.

Step-2: Enter a value of n.

step-3: Instealize r=0 and check while n>0:

Step-4: If True, evaluate digit = n.1.10 and

8=8\*10 + dig9t and n=n//10.

Step-5: check of n=r then print palindrome. Step-6: else print not a palindrome number.

Step-7: Stop

# GE23131 - Programming Using C

Ex. No.: 6

Date: 18/10/24

## Sum of Digits

Write an Algorithm and draw a Flowchart to calculate the sum of digits in the given number.

### Algorithm:

step-1: start the program.

step-2: Read a Value for n.

Step-3: Instalèze Sum=0, rem=0

Step-4: Evaluate Whole (4>0)

Step-5: If true, evaluate rem = n./. 10 and

Sum = Sum + rem and n= h/10

Step-6: PAPAL Sum.

Step-7: Stop. Stop.

#### Flowchart:

PM

OPENSE - Programmers, Early C

FLOW CHART

Start input n sum-o , rem=0 while n>0 nom = h./.10 Sum=sum+rem n = Mio Paint sum