# PROGRAMMING USING C

**Week 0 – Practice Session Coding** 

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GE23131 - Programming Using C

Ex. No.: 1

Date: 26/9/24

# Calculate Area and Perimeter

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

## Algorithm:

step 1: start

stop 2: Declare Variable a

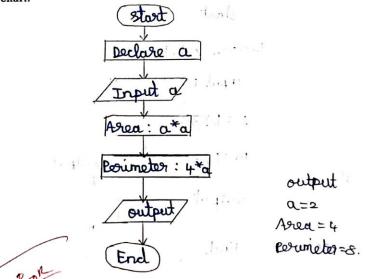
step 3: Input a

step 4: Area: a\*a

step 5: Perimeter: 4 \*a

step 6: End

Flowchart:



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Ex. No.: 2

Date: 26/9/24

# Days to Year Conversion

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

## Algorithm:

step 1: stast

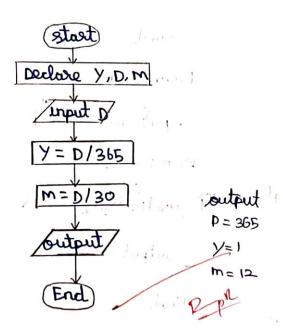
step 2: Declare variables Days, month, Years. (Input: Days)

step 3: Year = Days / 365 step 4: month = Days / 30

step 5: Declares output

step 6: End

#### Flowchart:



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Ex. No.: 3

Date: 3/10/24

#### **Prime Number**

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

Algorithm: start:

step 1: Declare i, n;

step 2: 98 n 41; Not Prime

step 3: for loop i=2 to n-1

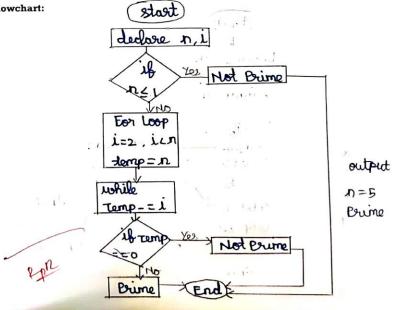
step 4: temp = n; temp-=i

step 5: if temp ==0; Not Brime

step 6 : perlare output, Brime

step 7: out End.

Flowchart:



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Ex. No.: 4

Date: 3/10/24

# Leap Year

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

# Algorithm:

stop 1: start

step 2: Declare a

step 3: Input a

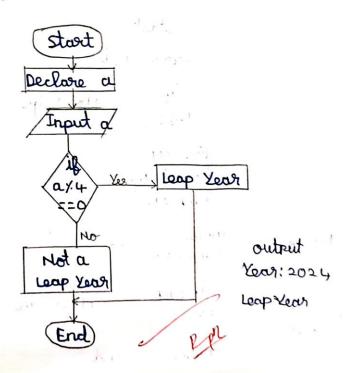
step 4: 98 (a1.4 == 3 (leap Year)

stop 5: else (Not leap Year)

step 6: output

step 7: end

Flowchart:



Ex. No.: 5

Date: 3/10/24

#### Palindrome Number

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

#### Algorithm:

step 1: start

step 2: Declare num, rev

step 3: Input rum

Step 4: reverse using for Loop

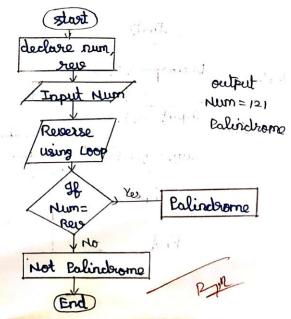
step 5: If num= rev

step 6: else

step 7: output

step 8. End

Flowchart:



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Ex. No .: 6

Date: 3/10/24

# **Sum of Digits**

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

# Algorithm:

step 1: start

step 2: Declare a, b, c

step 3: Input a,b,c

step 4: sum = a+b+c

step 5 : Declare output

step 6: End

#### Flowchart:

