Date: 1811012024

Calculate Area and Perimeter

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

Algorithm: Step 1: Start

Step 2: Read the value of a

Step 3: A = a*a

Step 4: Print A as the area of the square Step 5: P=4*a

Step 6: Paint Pas the perimeter of square

Step 7: Stop

Flowchart:

1

T

7

P

9

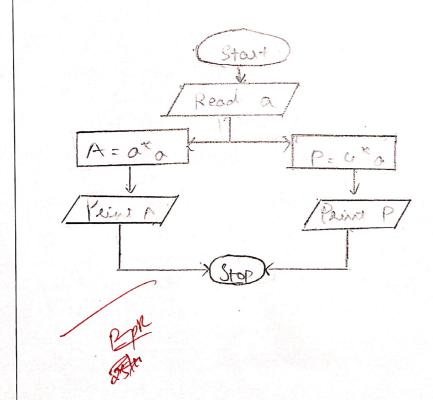
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Date: 18/10 (2024

Days to Year Conversion

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

Algorithm:

Step1: Start

Step 2: aut input for number of days 'n'

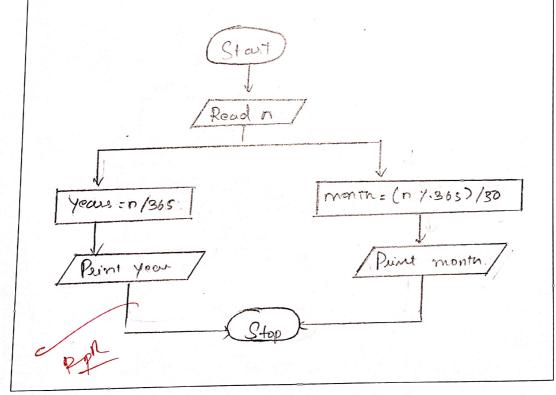
Step 3: year = 11/365

monta = (n/.365)/30

step 4: Print year, month

Step 5: Stop

Flowchart:



Prime Number

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

Algorithm:

Step 1: Start

Step 2: act input of a Number (N) to check prime or not

Step 3: Initialize the loop variable (i'

Step 4: Stout loop variable from 1 and end with N

Steps: Check Ny. i = 0

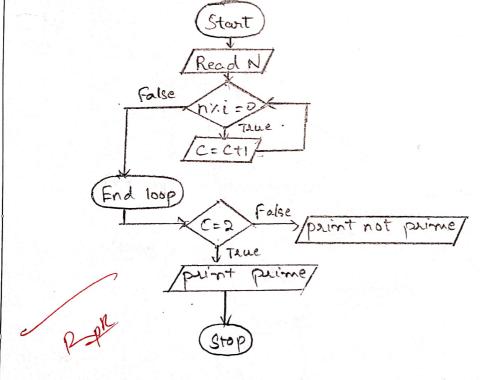
C=C+1, end loop

Step 6: if C=2, Display prime Number

Else, Display not a prime number

Step 7: Stop.

Flowchart:



Date: 18/10/2024

Leap Year

Write an Algorithm and draw a Flowchart to check whether the given year is Leap

Algorithm:

Step1: Start

Step 2: Read the value of the year

Step 3: If (year 1.4=0 and year 1. 100 !=0)02

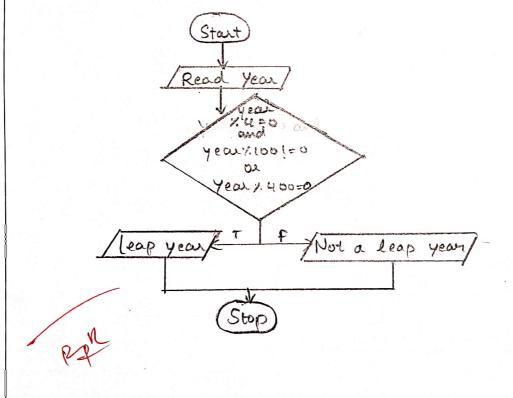
year >.400=0

Step 4: Paint leap year

Steps: Else, print not leap year

Step 6: Stop.

Flowchart:



Palindrome Number

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

Algorithm:

Step1: Read Num

Step 2: Declare Variable reverse and assign input to a temp. variable tempNum= num

Step 3: Start the loop until num!=0 becomes false while num >0

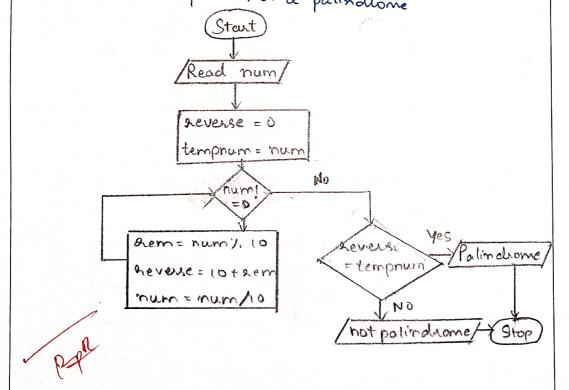
-> sem = num 1. 10

-) severce = 10+ rem

-> num = num/10

Step 4'. Check if revere = temp num

Steps: If Steps is true print It is palindrome Flowchart: else print not a palindrome



Date: 18 110 12024

Sum of Digits

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

Algorithm:

Step1: Read n

Step 2: Declare sum= 0

Step 3: Declare reminder = n 1/10 & declare

Sum-sum+(aeminder)

n=n/10

Step 4: If cn>0) then go to step 4 else go

to Step 5

Steps: Rint sum

Flowchart:

