WEEK 0:

ROLL NO.:240801178

NAME: LOGESH.M

Ex. No.:

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

step-2: Read a

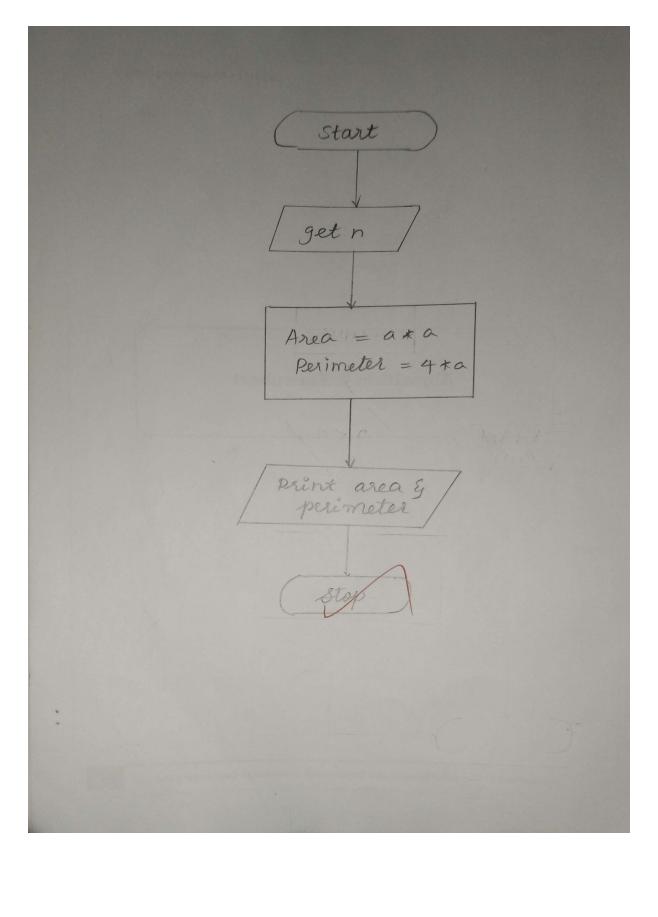
step-3: Area = a \* a

step-4: Perêmeter = 4 \* a

step-5: Print Area & perêmeter

step-6: Stop.

Flowchart:



Ex. No.: 2

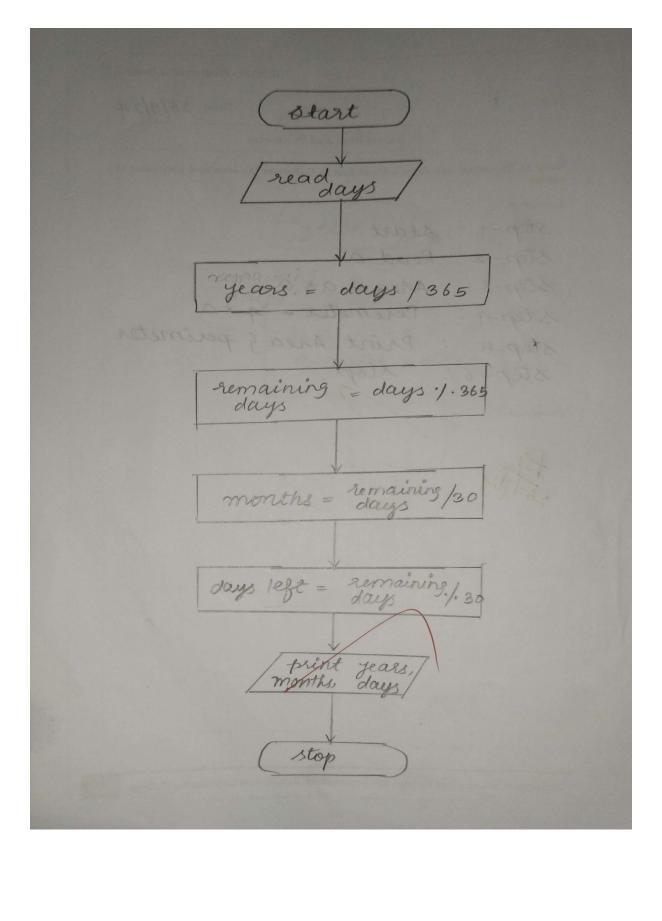
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### Days to Year Conversion

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

# Algorithm:

### Flowchart:



### **Prime Number**

Write an Algorithm and draw a Flowchart to check whether the given number is Prime

### Algorithm:

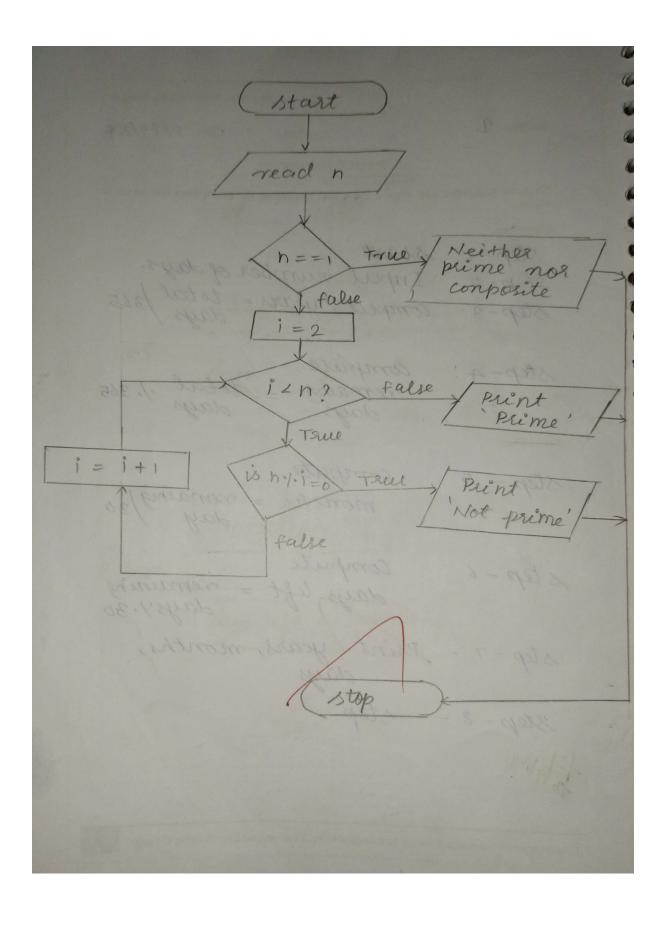
Elewchart:  

$$step - 5 :- for i = 2 to n - 1$$

$$to not i = 0 to i$$

step-6: If 
$$n!$$
 = = 0 then

step - 
$$7$$
: If  $f = 0$  then



## Leap Year

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

# Algorithm:

# Flowchart:

Start read true false year 1/00= true false Not leap trul Leapyear n is prime Stop

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Ex. No.: 5

### 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: read h step-3: initialize clements original = n, reversed=0

step - 4: while hyo

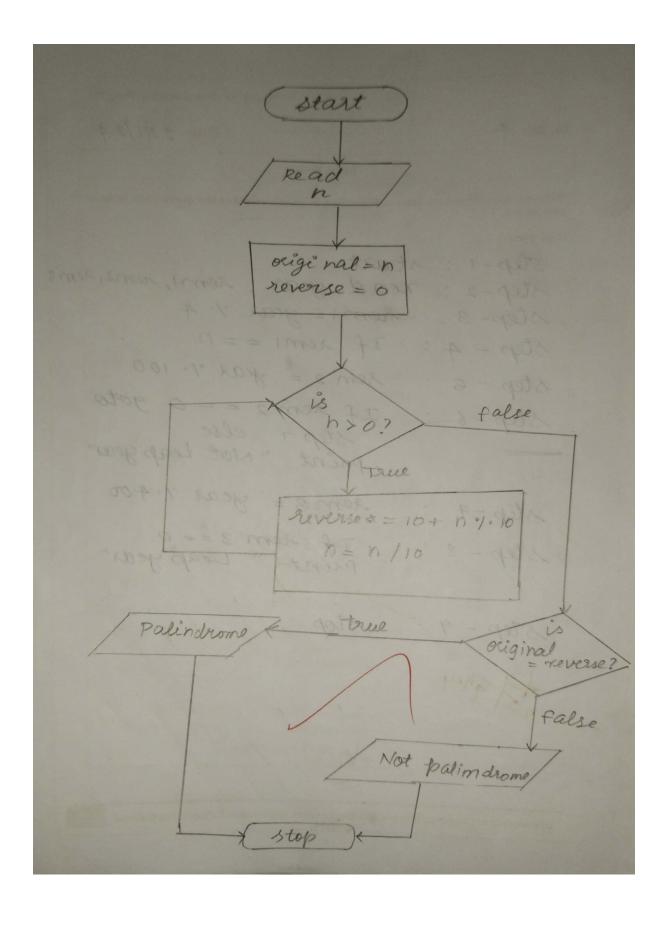
reverse \* = 10 + n.1.10

Flowchart:

update n = n/10 goto

step - 5: If original = = revese Print "palindrome"

step - 6: else print "Not palindromo" step - 7: Stop.



Ex. No.: 6

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## **Sum of Digits**

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

Algorithm:

$$Aton-5$$
:  $Aum + = n \cdot 1 \cdot 10$ 

Step - 5: 
$$sum + = n \cdot 1 \cdot 10$$
  
 $step - 6$ :  $n = n \cdot 1 \cdot 10$  goto  
 $step - 4$   
 $step - 7$ :  $print$  "  $sum$ "

