Week 0:

ROLL NO.:240801175

Name: Levin Prince L

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

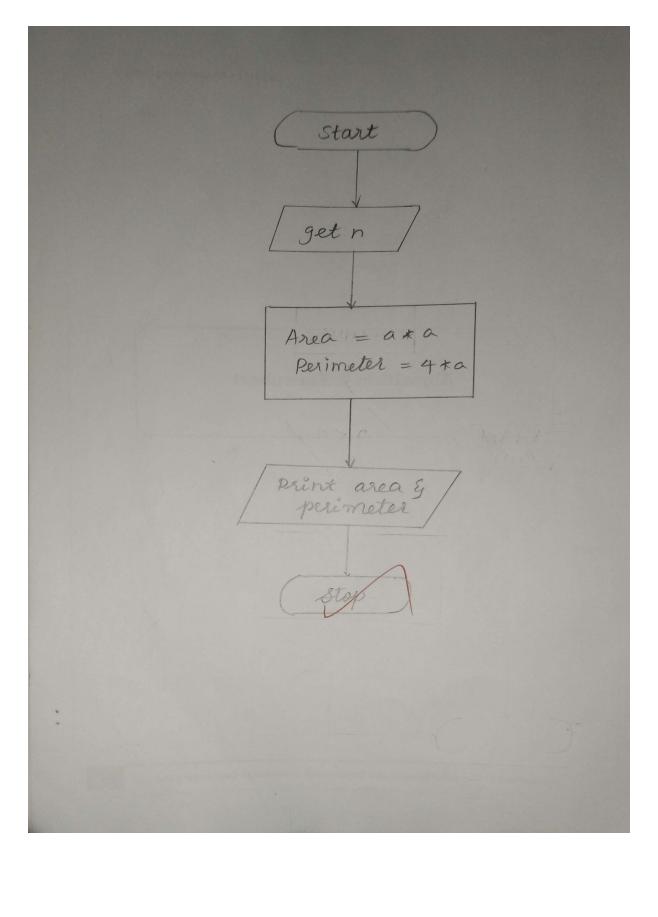
step-3: Area = a * a

step-4: Perêmeter = 4 * a

step-5: Print Area & perêmeter

step-6: Stop.

Flowchart:



Ex. No.: 2

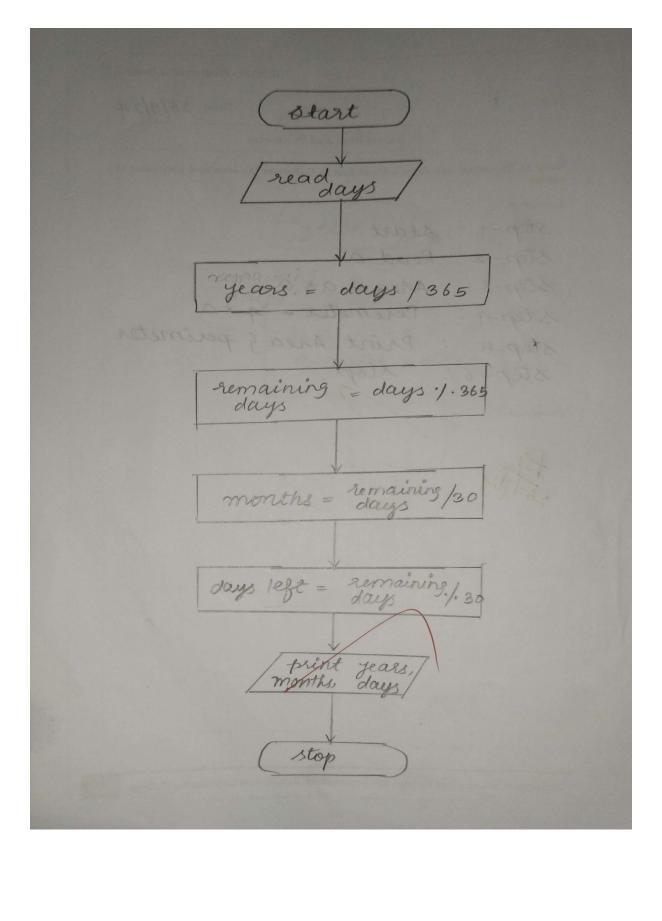
Date: 26/9/24

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:

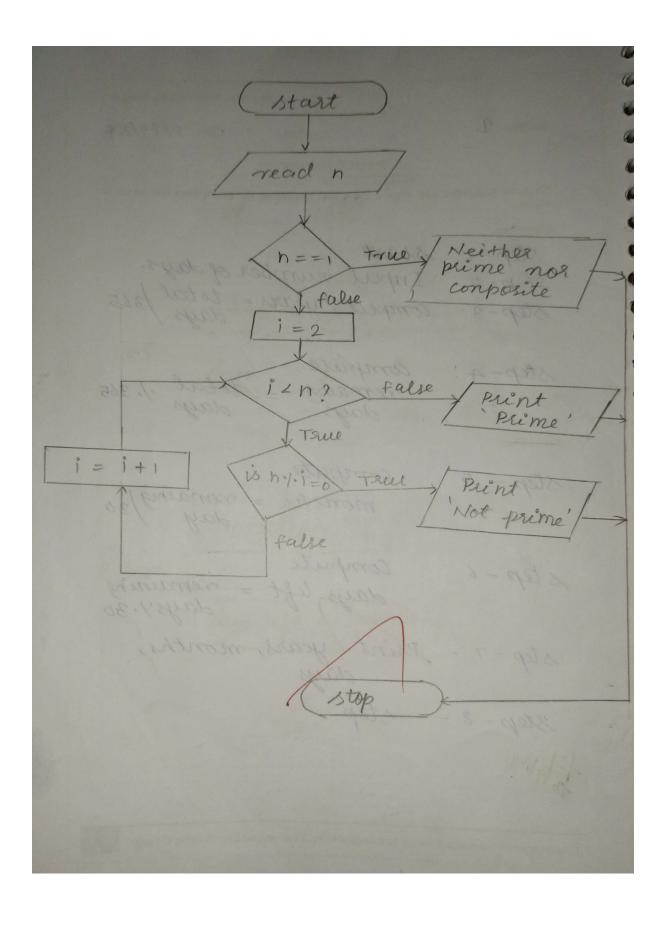
Elewchart:

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

$$to not i = 0 to i$$

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

Date: 28/9/24

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

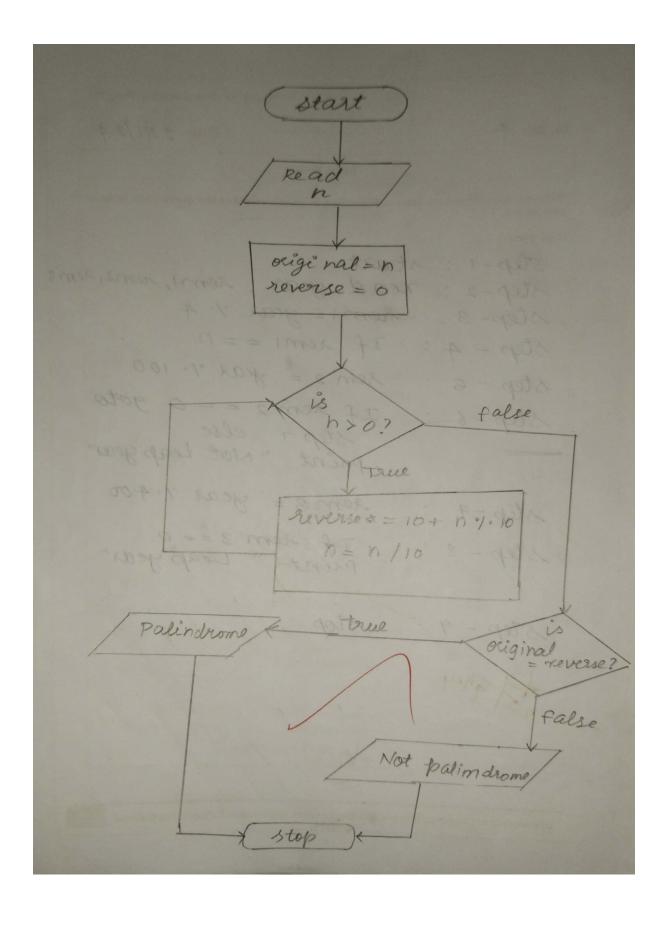
reverse * = 10 + n.1.10

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

Date: 28/9/24

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 "

