Ex. No.: I

Date: 21/09/24

## Calculate Area and Perimeter

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

## Algorithm:

Step 1: Stort

Step 2! Reod 1

Step 3: area = lxl

Stop 4: levineter = 4 x l Stop 5: Display area Stop 6: Display Perimeter

Step 7: Stop

#### Flowchart:

-

-

unes,

Ex. No.: I

Date: 21 09 124

# Days to Year Conversion

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

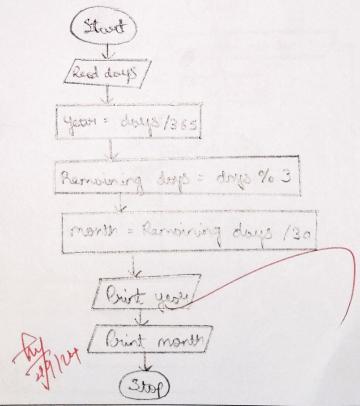
# Algorithm:

Stop 1: Stort

Stop 2: Read days

Step 3: year = days / 365

Stop 4: Remoining days = days % 365 Step 5: month = Remoinding days /30 Stop 6: Print year Step 7: Print month



Ex. No.:

Date: 21/09/24

#### **Prime Number**

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

## Algorithm:

Step 1: Stood

Stop 2: Read Number N

Step 3: unitiolize i=2

sels 3 apts at ap north or i di: 4 pots

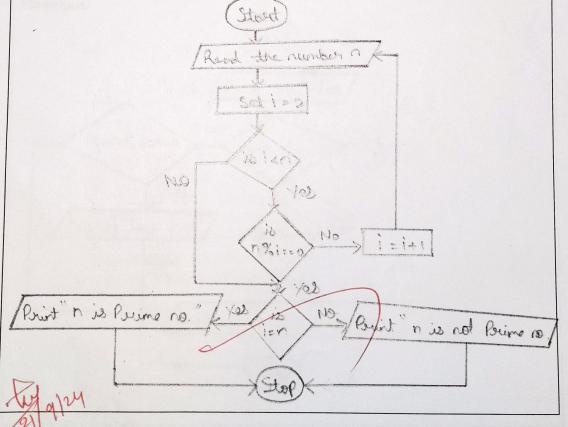
3 gets at ap

Stop S: ib n % i == 0 than go to stop 6

else i= i+1 and go to stop 4

"rodomen sines sin " trives north n== i di : 6 gots

"radrum aring tan ai n" truing sals : r gots



Ex. No.: N

Date: 25/09/24

## Leap Year

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

### Algorithm:

Step 1: stoot

Stop 2: Road the value of the year

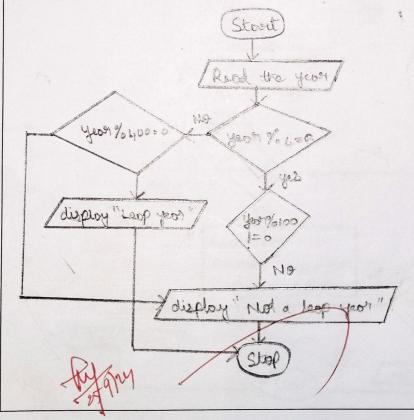
Step 3: if Cyeon % 4 == 0 and year % 100 ! == 0) or

(year % +00==0)

then display "Leop year"

Stop 4: else, display "Not loop year"

Step 5: Step



Ex. No.:  $\sqrt{\phantom{a}}$ 

Date: 25/09/24

#### Palindrome Number

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

## Algorithm:

Step 1: Stort

Step 2: Read the input number

Step 3: Doctore and initialize the Variable reverse and assign input to a temp variable temp=num

Stop 4: Stort the while loop until num! = 0 becomes bolse

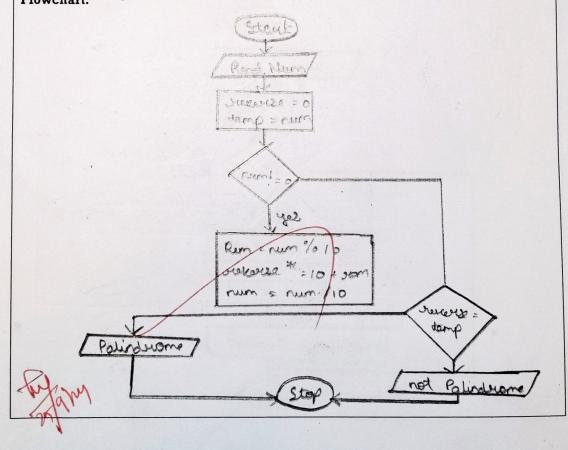
Rem = num %10

Personse "=10+ son

Newn = nun /10

Step 5: chock it success == temp Step 6: its Town, print "Palinderene" Step 7: else, Point "Not, Palinderene"

Stop & : Stop



Ex. No.: VI

Date: 25/09/24

### **Sum of Digits**

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

## Algorithm:

Stop 1: Stort

Stop 2: Input the number n

Step 3: Initialize Sum=0

stop 4: Repeat the bollowing stops while

n >0

- Extend the lost digit of n

digit = 1 % 10

- odd the digits to sum: sum = sum + digit

- Remote the lost digit from n:

Stop 5: Point the sum

Stop 6: Stop

