Ex. No.: I

Date: 27/09/24

#### Calculate Area and Perimeter

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

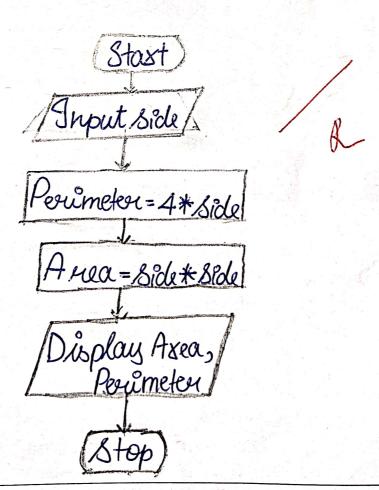
Algorithm:

Step 1: start

Step 2: Gret the value for side

Skp3: Area of square = Side \* Side \*

Step6: Stop.



Date: 27 /09/24

### Days to Year Conversion

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

### Algorithm:

Step4: Display Years

Ex. No.:03

Date: 3/10/24

#### Prime Number

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

Algorithm: Step-13. Start 5132° Read the value of n 813-3° Set i=1 and count=0 Stp-4:9f i2=n5tsue go to Step-5, dsegoto stip8 Stp53Chack the condition in 10i== Oif true thengo to Step6, else 9016 Stb 70 Skp6: Set count=count+1 Stop 7° i= i+i, then go to stop 4
Stop 8° Chock the count, if it is=2, display prime else display not a prino (Start) Read the nivalue set i=1 and count=0 NO YESMOOT=( NC count = count + show not

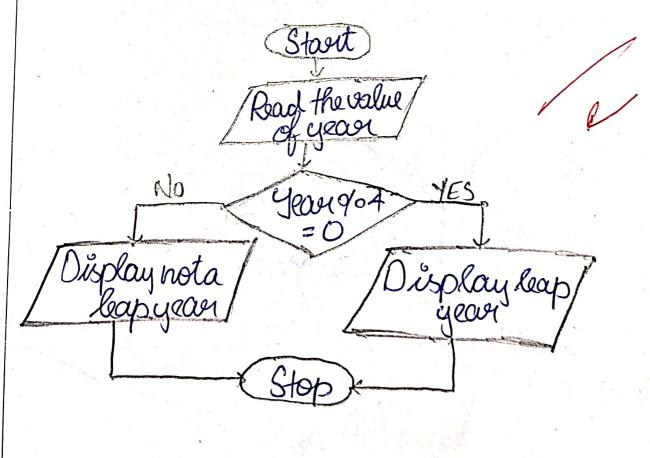
Date: 3/10/24

## Leap Year

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

## Algorithm:

Step 2 : Start
Step 2 : Gret the number of days to be converted as Days.
Step 3: St Cyeard 04 = O AND year 90100; = O)
Step 4: Daplay lap year
Step 5: Else display not a lap year
Step 6: Stop



Ex. No.: 05

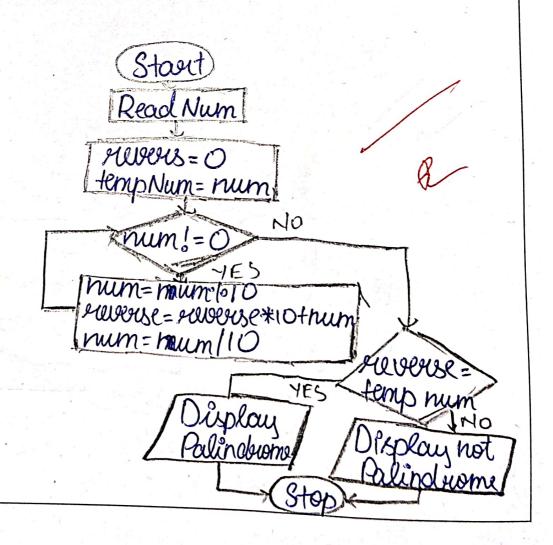
Date: 3/10/24

# **Palindrome Number**

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

Algorithm:

52° Read the input humber from the user Step-1: Start Sto-3: Declave & initalize the variable reverse Earsign input to the temp variable temp Num = hum:
Step-4: Check if reverse == temp Num using looping statuent step-6: If its true then display the number is a palinebrome step-7: If not display the number is not a palinebrome Step-80 Blop



## Sum of Digits

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

Algorithm:

ep1 & Stort 52° Get the number Ep-3° Construct a vacuable to hold the total & initialize it to 0 tep-4° Repeat step-2 & 3 until the result is not 0 Steps: Divide the no by 10 8th-6° Use the 1'operator to divide the integer by 10 to eliminar the last digit on the right.
Step-7° Display the total 846-8% Stop.

