Ex. No.: O)

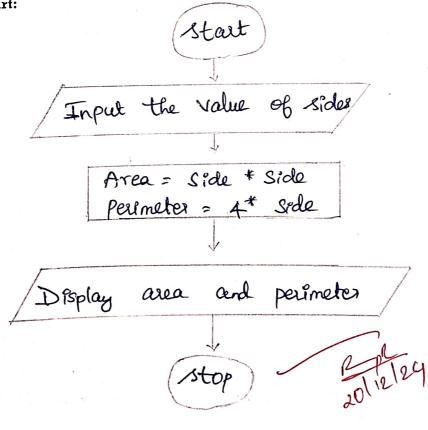
Date: 3.10.24

Calculate Area and Perimeter

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

Algorithm:

Flowchart:



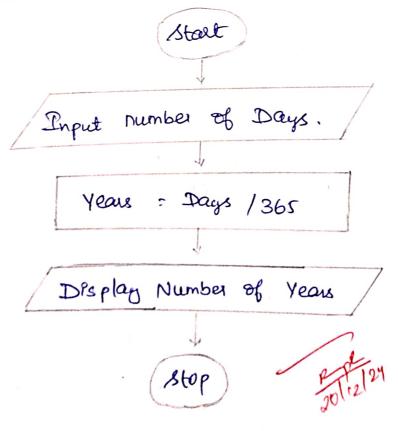
Date: 3.10.24

Days to Year Conversion

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

Algorithm:

Flowchart:



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 1: START

STEP 2: Read the value of n

STEP 3: set i=1, and count = 0

STERY: If iz=n, is true go to step 5, else go to selp 8

STEPS: Check the condition not i==0 if true then go to

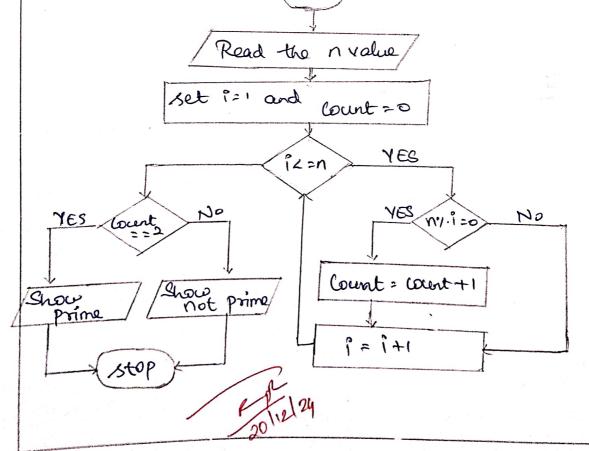
Step 6, else go to step 7.

STEP 6: Set count: Lount +1

STEP 7: i=i+1, then go to step 4 SNEP8: Check the count, it it is = 2, display prime

else display not a prime.

Flowchart: STEP 9: STOP. start



Date: 03.10-24

Leap Year

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

Algorithm:

STEP 1: START

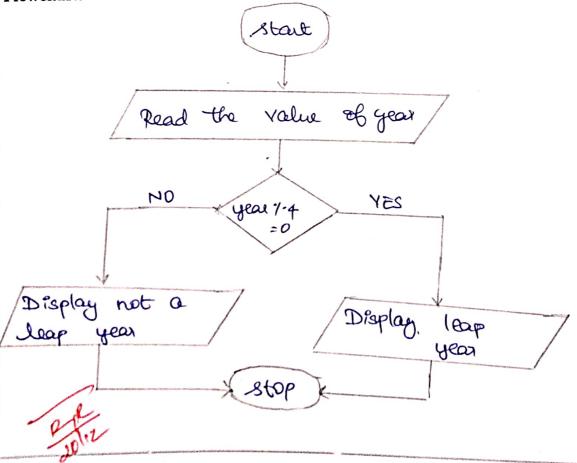
STEP 2: Road value of year STEP 3: A (year 1.4=0 AND year 1.100!=0)

STEP 4: Desplay leap year

STEP 5: Else Display not a leap year

STEP 6: STOP.

Flowchart:



Date: 03-10.24

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 the input

STEP 3: Declare variable; Reverse, and temp num = num

STEP 4: Start while loop till num!=0 is false

num = num 1-10

reverse : (reverse 10) + num

num = num /10

STEP 5: If reverse == temp num

STEP 6: If true, display palindrome, else not a

palindione

Flowchart STEP 7: STOP

START

READ INPUT

REYGRSE = 0 ,

TEMP NUKI : NUM

YES

NO

YES rev = temp

* num! = 0

num = num -1.10 reverse: rev* 10 + num

num = num/10

Show

Palindione

Show not a Palindrome

NO

STOP

Date: 03. 10.24

Sum of Digits

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

Algorithm:

STEP 1: Get the number

STEP 2: Declare variable: Total, initialize total

STEP 3: Using while loop, If the number is greater

than zero, Get the last digit by moderlus operator

and add the digit to total.

STEP 4: If the number is less than zero, use

absolute value

STEP 5: Using '/ operator and dividing by 10 to get the first digits of the given number

Flowchart: STEP 6. Display total.

