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 square.

Algorithm:

Step 1 : Stant

Step 2 : Readlength

SteB: Calculate

Aven - lungt h or lungt h

Step 4 :- calculate perinte = 4 keng ty

Steps: Stop

Flowchart:

Ex. No.: I

Date: 26/9/24

## Days to Year Conversion

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

#### Algorithm:

Step 1: Start

Step 2: Input no of days

Step 3: calculate theno. at yours

Step 4: Calculate the memaining days after calculating years

remaining-days = days 1-365

Steps: calculate to no. of months

menths = gramaining days 1130

#### Flowchart:

Step6: lalculate the memaining days after calculating months

day-left = gemaing-day87.30

Step 7: output the years, months & days-4th

Sty8: endy

Rollno. 240801173

FLONCHART:

Start

I/p total no.
of days

yeors = day/265

remaining days = days 1365

months = remaining days/30

days-lift = remaing day 1.30

O/P years, moth, days

Ex. No .:

TIL

Date: 26/9/24

### **Prime Number**

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

### Algorithm:

51: Take num as input

52: Initialize a variable temp to 0

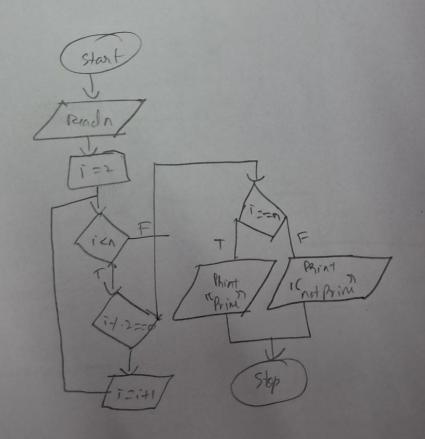
S3". Itwate a for loop from 2 to ron/a

54: If num is difficille by loop iterater, then in exemuttenp.

55: Af the temp of sexual too, retagner Nam is prime)

else, Return "Num is not prime"

## Flowchart:



Ex. No.:

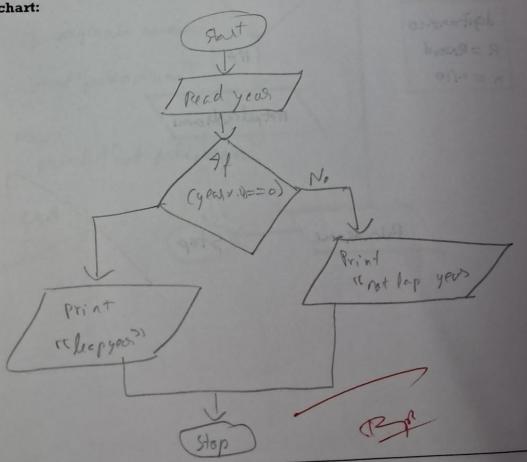
Date: 28/9/24

# Leap Year

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

### Algorithm:

### Flowchart:



Ex. No.:

Date: 2819/14

# Palindrome Number

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

#### Algorithm:

si: Start

or: Read the mamber n

93: Enitialize e:

set original on 4 avoid 20

su: whiten >0

- setdry it = n mod 10

- update seversa = seversad x 10 +digit

· update n = n + 10

# Flowchart:

55. if againal revoved

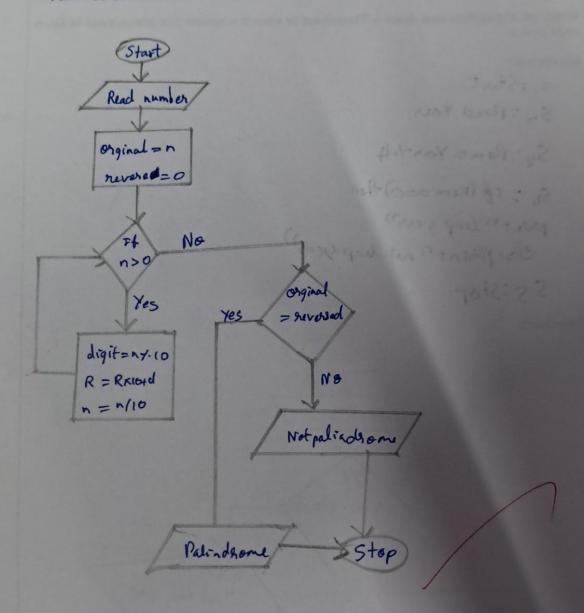
· print "palin drome"

56: elese:

print "not palindhome"

57: end.

#### FLOWCHART:



Ex. No.: NI

Date: 28/9/24

#### **Sum of Digits**

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

Algorithm:

5; start S2 = Input the numer (n)

Sz: Initialize

54: Repeat the following stepubile h is greater than to

- Extract the last digit of n: digit=ny.10

Flowchart:

Add the digitate sum?

Sum = Sum + digit

- Remove the last digitat

n=n1110

Ss-output the sum

S6: Stop

