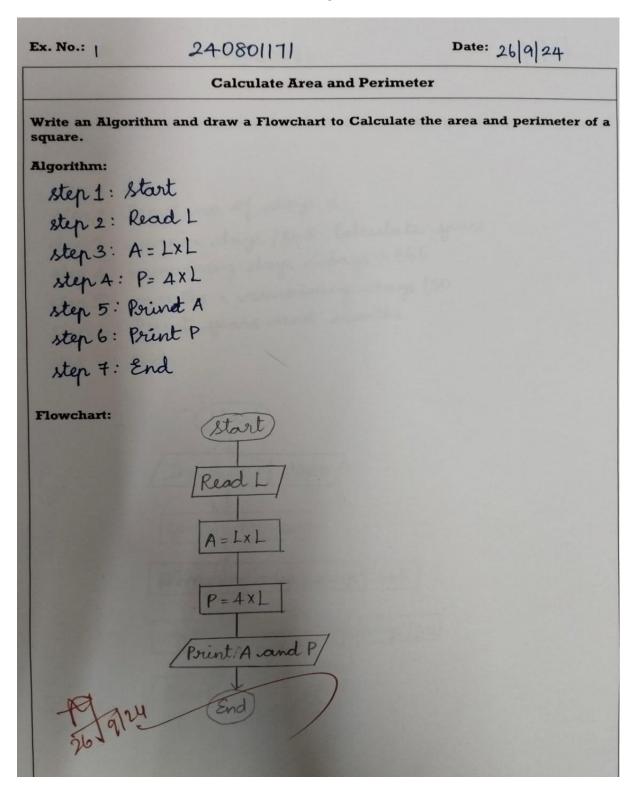
NAME: LAKSHANA.V

REGISTER NUMBER: 240801171

WEEK-0



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 n

step 3: years = days /365. lakulate years step 4: remaining days = days 1.365

step 5: months = remaining days (30

step 6: Porint years and months

step 7: End

Flowchart:

years = days 369 Remaining days: days: 1.365

Ex. No.: 3

240801171

Date: 26 9 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: Input num and initialise a=1

step 3: If num Z=1, set a to 0

step 4: Fior i from 2 to square root of num.

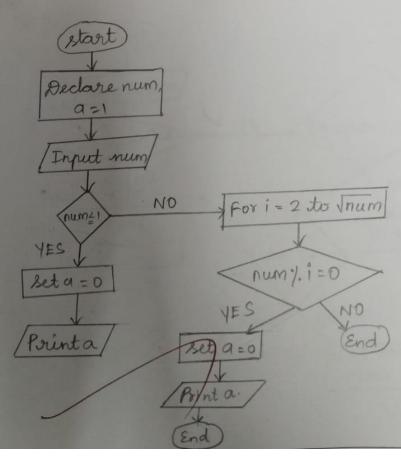
If num is divisible by i, set a to 0

step 5: If a=1, then number is prime, otherwise not

step 5: Paint whather the running in the second of the second step 6: Porint whether the number is prime or not

step 7: End.

Flowchart:



Date: 28 9 24 240801171 Ex. No.: 4 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: Input year step 3: year divisible by 4

• If year divisible by 100

→ the year divisible by 400

→ Else, it is not leap year

• Else, it is leap year step 4: Else, it is not loop year or not step 5: Print whether it is leap year or not stip 6: End. Flowchart: Not leap year Year 1.4=0 Not lean

Date: 28 9 24

Palindrome Number

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

Algorithm:

start 1: start

step 2: Read the number n

step 3: Initialise set = n and reversed = 0

step 4: while n>0

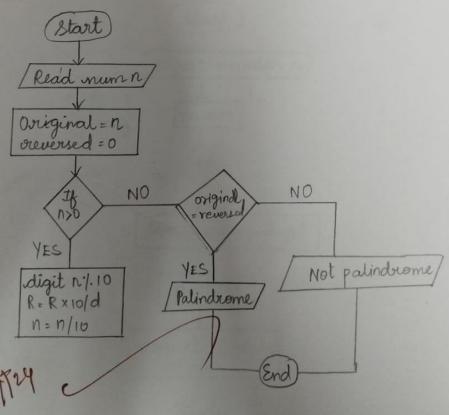
· set digit = n 1.10

· update viewersed = reversed × 10 + digit · update n = n = 10 step 5: if original = reversed, Print Palindrome vten 6: else print est

step 6: Else, print not palindrome

step 7: End

Flowchart:



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:

step 1: Start

step 2: Input num n

step 3: Initialize sum=0

step 4: Repeat the steps till n>0

. . digit = n 1/10

· sum = sum + digit

· n=n/10

step 5: Print sum

step 6: End Flowchart:

