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: Start

STEP-2: Input s

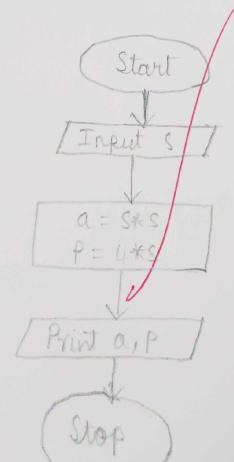
STEP-3: Calculate area(a) as s * s and perimeter

as 4+s and store in a and p

STEP-4: Print a and p

STEP-5: Stop

Flowchart:



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; Stourt

STEP-1: Cret total numbers of days

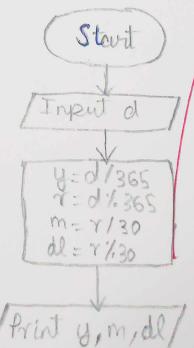
STEP-3: Initialise days in years to 365 and days

in months to 30.

STEP-4: Calculating remainder days by dividing days to 365 and remaining days by 30 to find months and days left will be

STEP-5: Print y, m, dl

Flowchart: End



26/9/24

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 n

STEP-3: Set (= 2

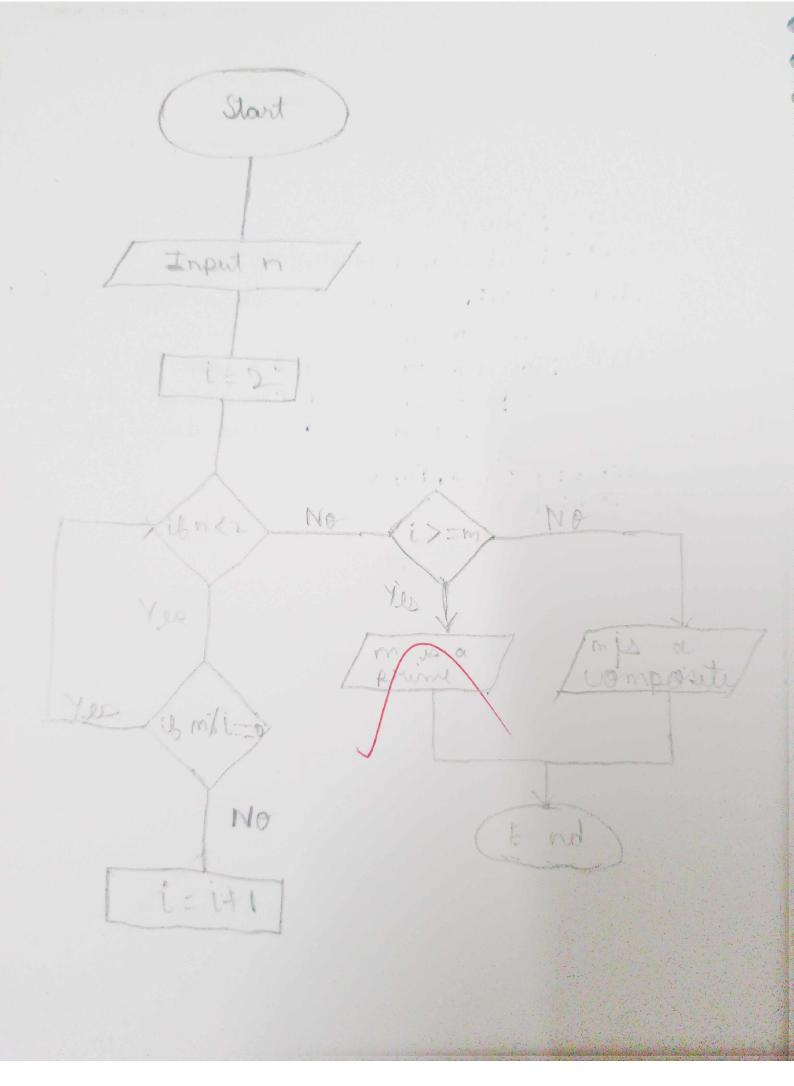
STEP-4: Check if N<2 than go to step 5 else go to step 6

STEP-5: Print composite and go to step 8 STEP-6: If n%2=0 print ("prime") else print ("frime")

STEP-7: Repeat step 6 and until i <= sart(n)

STEP-8: Stop

Flowchart:



Date: 26 9 24

Leap Year

Write an Algorithm and draw a Flowchart to check whether the given year is Leap

Algorithm:

STEP-1: Start

STEP-2: Input y

STEP-3: il y is divisible by 4:
• ib y is divisible by 100:

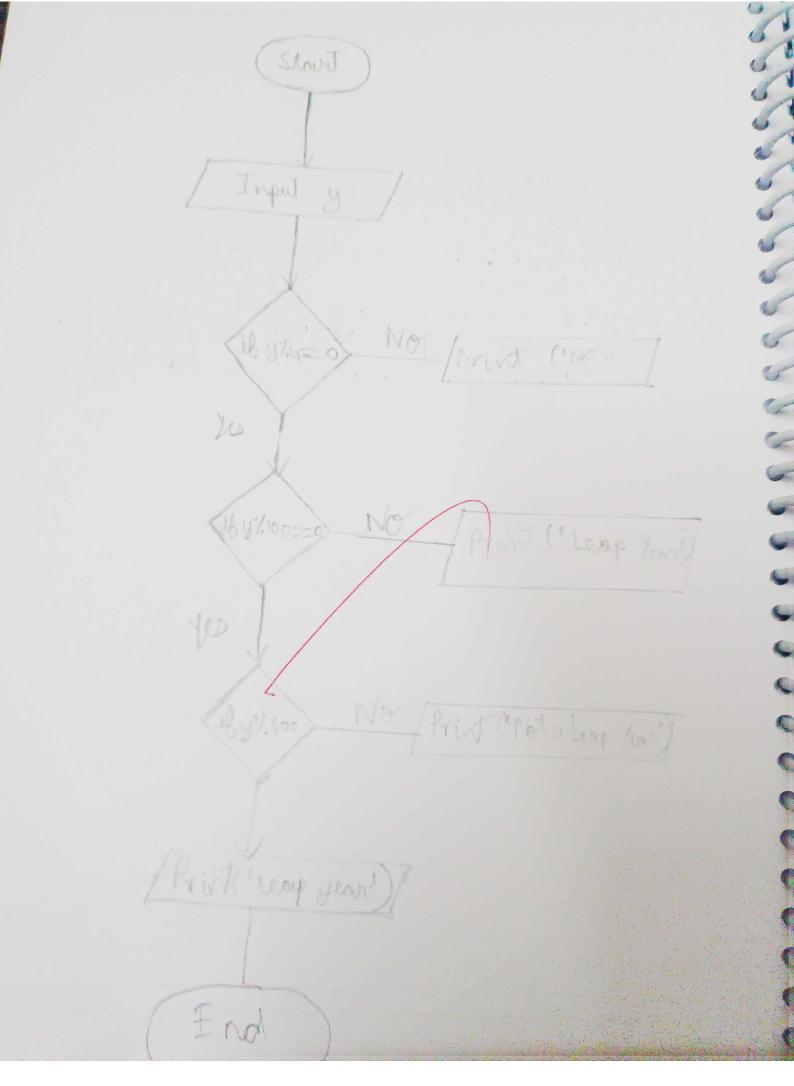
· if y is divisible by 400:

print ('Leap year')

· else:

print ('No')

STEP-5: Sto



Date: 28 9 26

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: Input n

STEP-3: Set t=n and r=0

STEP-4: while in greater than o:

· d=n/.10

· r-r* 10-1A

· n= m/2 h/10

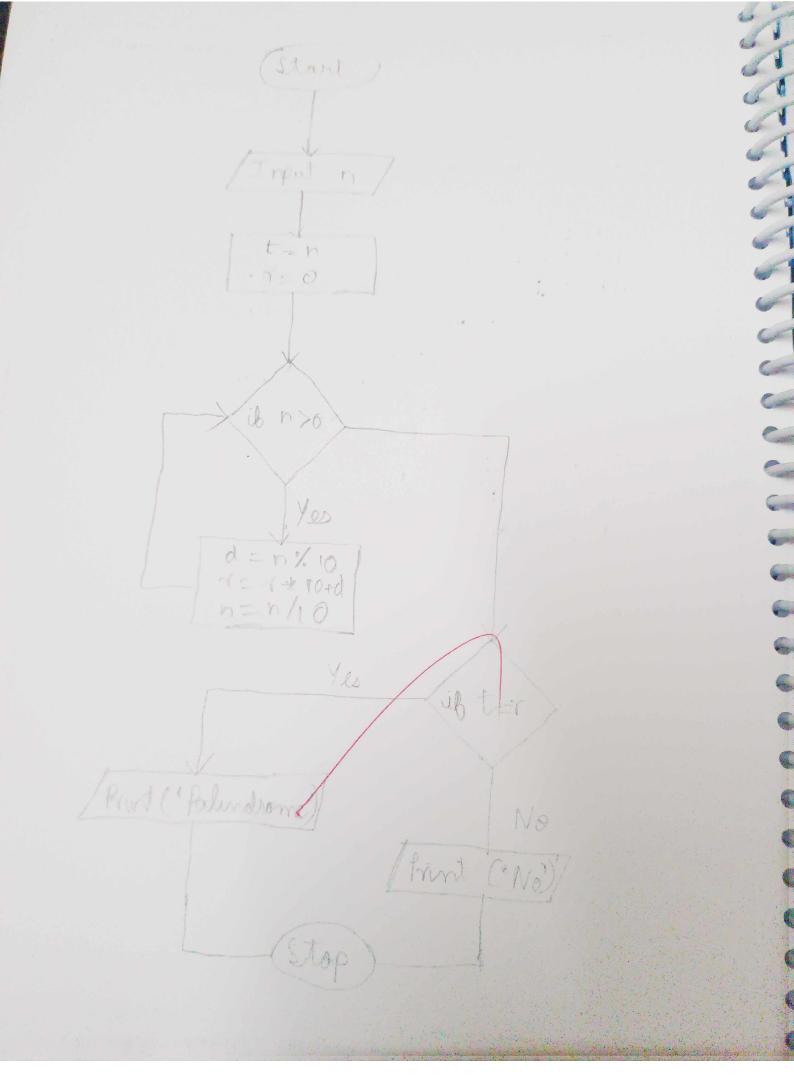
Flowchart: STEP-5: , ils t is equal to r:

print (Palindrame')

STEP-6: else:

else: print (1 No')

STEP-7: End



Date: 28 924

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 n.

STEP-3: Intialise D=0

STEP-41 owhile is greater than o:

d= n% 10

S = S+d

n= n/10

Flowchart: STEP-5: Print S

STEP-6: End.

- RJ 58/9/24

