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

Estep 2: read l

Step 3: a = 1 * 1

Blep 4: n=4*1

Step 5: print a, p
Step 6: Stop

Flowchart:

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Ex. No.: 2

Date: 26.9.24

Days to Year Conversion

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

Algorithm:

otten 1: Estant

Step 2: Input no of days

Step 2: Calculate the no. of year, years = days 11365

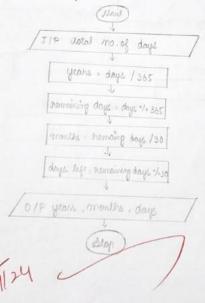
Estep 4: balculate the remaining days after calculating years remaining-days: days = days = 365

Step 5 : Calculate the no. of months, months = remaining days 1130

Step 6: balculate the remaining days after calculating months days left: rumaining-days 7.30

Step 7: Output years, months, days

Flowchart: Step 8 : Step



Date: 24 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

Dep 2: Input the number

Step 3: If i=2 and i'rn, go to step 7

Step 4: 17.2==0, go to step 7

Step 5 : 1 == n

ostep 6: 1 = £+1, goto step 3

Flowchart: Step 7: If the i == n

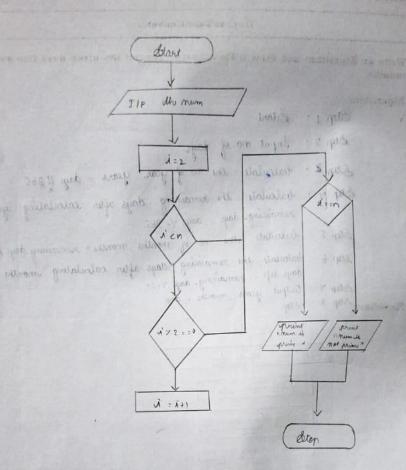
quint " num is prime"

ulse

print " num is not prime"

Solon 8: Stop

10 p 124



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:

Step 1: Start

Beten 2: read year been 3: if y %. 4 == 0 golo step 4

Step 4: print "deap year"
Step 5: else
print "non deap year"

Step 6: Step

Flowchart:

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: Step 1: Start

Step 2: Read the number n

Blep 3: Initialize

* &ed digit = n modio

* undate reversed = reversed × 10 + digit

* whate n = n /10

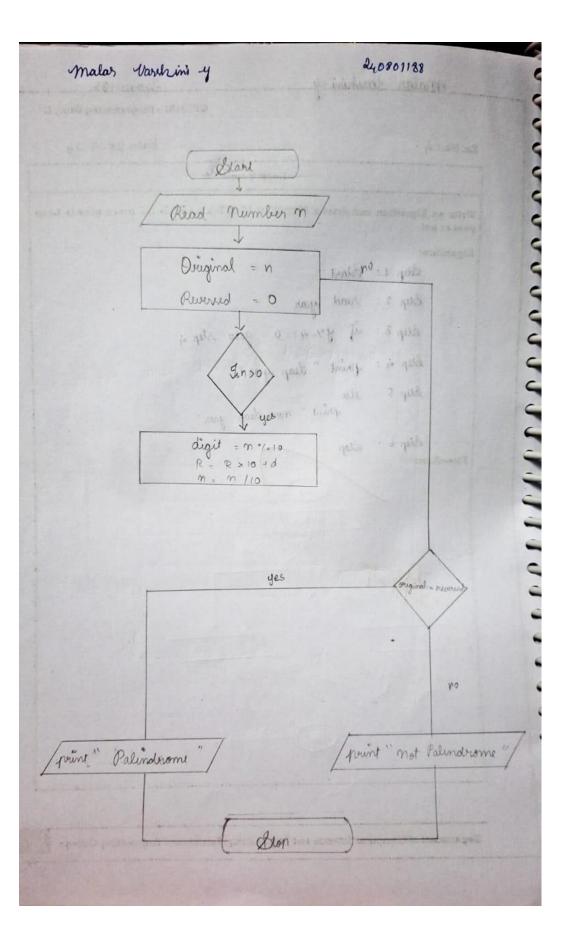
If osiginal = neversed

print " Palindrome "

Beten 5: else:

print " not Palindrome

Flowchart:



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Ex. No.: 6

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: Imput the number (n)

Step 3: Initialize sum=0

Step 4: Repeat the following steps while n is greater than 0 n>0 - Extract the last digit of n:

- digit = n 7.0

- Add the digits to sum

Sum = Sum + digit

- Remove the last digit from n

step 5 - OIP the sam Flowchart: My 6 - May

