Date: 27.09.2024

Calculate Area and Perimeter

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

Algorithm:

sten 1: Start

Read value for is step 12:

Step 3: calculate & * * 2 and point the value.

Step 34: calculate 4 x & and yount the value

Step 5: Stop

Flowchart:

1

3

3

1

3

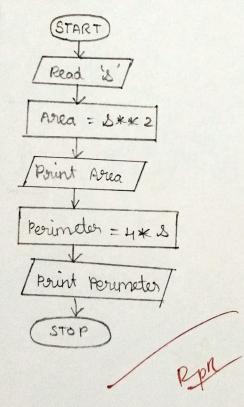
1

1

7

1

7



Date: 27-09-2024

Days to Year Conversion

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

Algorithm:

Step1: Start

step 2: Read value for n step 3: To calculate number of years, divide n 1/365 step 4: To calculate number of months, divide n 1/30

Steps: Point the year and morths

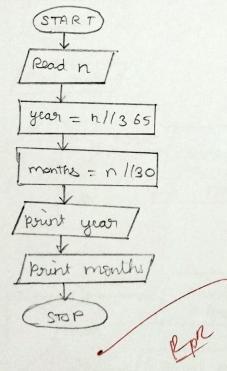
Step 6 : stop

Flowchart:

)

)

)



Date: 01-10 -2024

Prime Number

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

Algorithm:

9

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Step 1: Start

Step 2: Read value for num

Step 3: If num==0 or num==1, pount num is not a

yourne number

Step 4: otherwise, initialise i = 2. If num > i, check

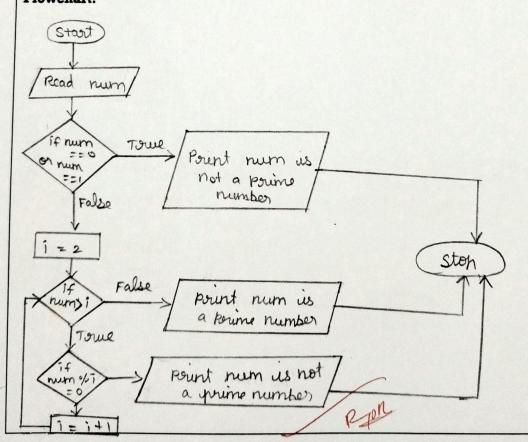
uf num % i = 0. If num > i is galse point num is a point number.

Step 5 : If num of i = o is true, wient num is not a

you'me number

Step 6: 1 = 1+1

Step 7: stop Flowchart:



Date: 1-10-2024

Leap Year

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

Algorithm:

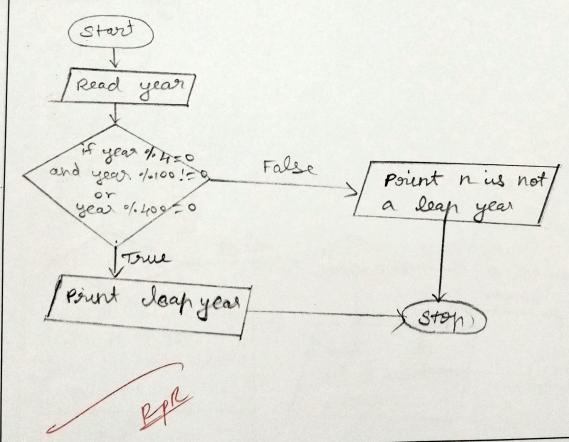
Step 1 : Start

Step 2: Read value for year

step 3: check if the year is divisible by 4 and not divisible by 100. If so fount it is a leap year otherwise check of the year is demarble by 400. If so fount it is a leap year, otherwise fount not a leap year.

Step 4 . Stop

Flowchart:



Date: 4-10-24

Palindrome Number

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

Algorithm:

Step 1: stood

step 2 : Read value for n'

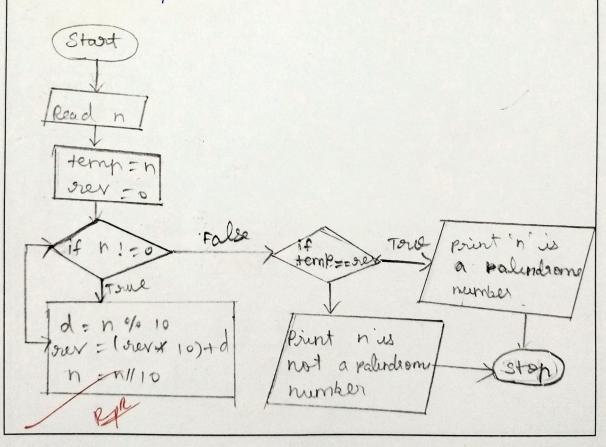
Step 3: Fribialisis over = 0 and temp = n

Step 4: check if n!=0, of 20, d=n0/010 orev=(orev*10)+10

n = n/10

Step 5: otherwise check if temp = over. If yes, print n is a palindrome

step 6: number Step 7: Palindrome number Step 7: Palindrome number Stop



Date: 4-10-2024

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: Road value for n

Step 3: Initialise isum=0

step 4: check up n is greater than 0. Step 5: 9f so, sum = sum + (n % 10) n = n/10

Step 6: If n >0 is false, point sum

step 7: stop

Flowchart:

