Date: 22/10/2024

Calculate Area and Perimeter

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

Algorithm:

Step 1: Start the program

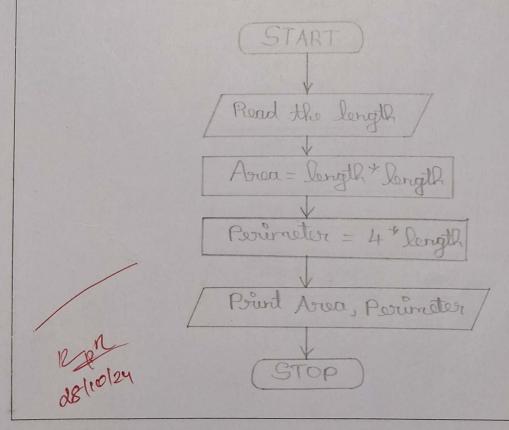
Step 2: Read the value of length

Step 3: Calculate Area = length * length

Step 4: Calculate pourneter = 4 * length

Step 5: Pourt, "Area, Perimeter"

Step 6: Stop the Program



Ex. No .: 71

Date: 22 /10/2024

Days to Year Conversion

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

Algorithm:

Step 1: Start the program

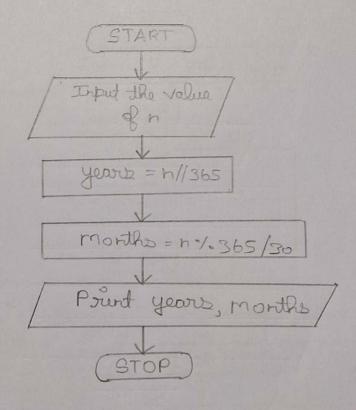
Step 2: Get the Value of n for no. of days

Step 3: Pount years ar n/1365

Step 4: Point month az (n/. 365)/30

Step 5: Stop the powgram

Flowchart:



pal

Prime Number

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

Algorithm:

Step 1: Start the program

Step 2: Get the value or for the number to check

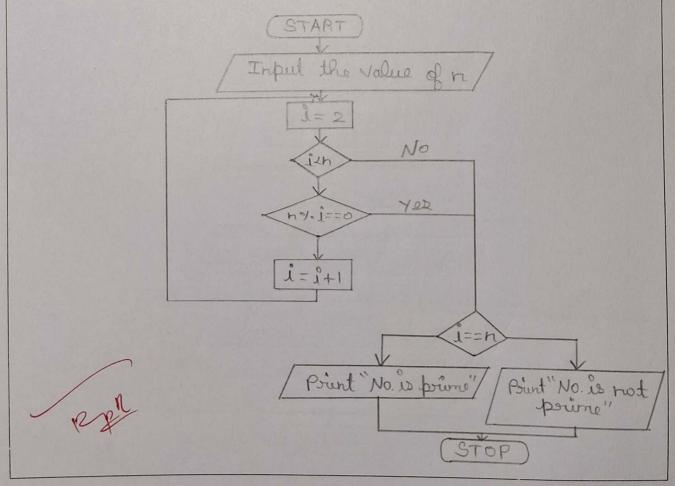
Step 3: check if ny

Step 4: Iterate the loop (i) from 2 to number

Step 5: check if n'il == 0; if toure, the

Step 6: If n% i!=0, the number is powne

Step 7: Stop the powgram



Ex. No.: 4 1V

Leap Year

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

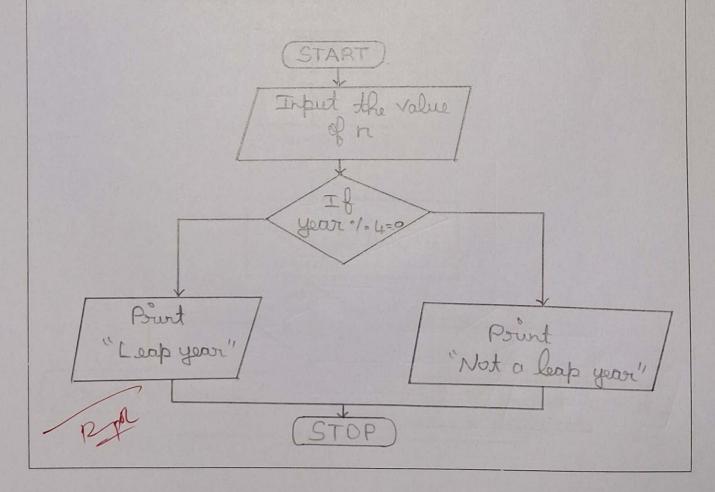
Algorithm:

Step 1: Start the program

Step 2: Get the value (n) for the year to check

Step 3: Check if n%. 4 == 0 and n%. 100! = 0 (00) ho/. 400 == 0

Step 4: If Step 3 is true - Then the given year is a leap year, else it is not a leap year step 5: Stop the year program



Palindrome Number

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

Algorithm:

Step1: Start the powgram

Step 2: Read n

Step 3: Initialize temp=n

Step 4: Do a= h1/10 in a loop which wheches if h70

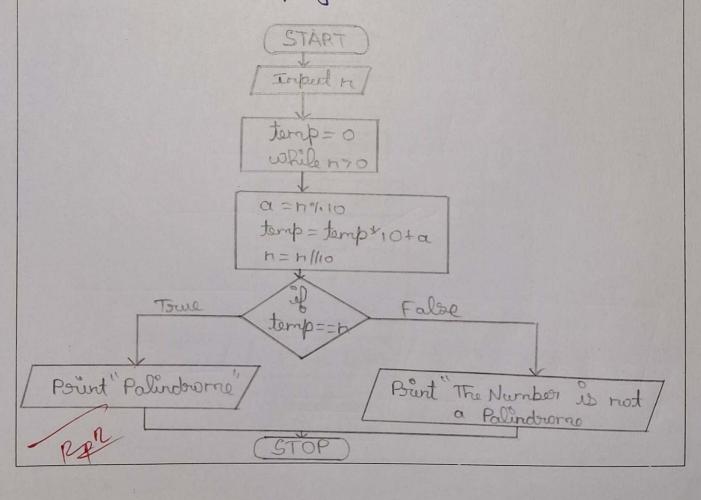
Step 5 : 200 = 200 * 10+a

Step b: n= 1/10

Step 7: If (nSD) then go to Step 4 to 6 else go to Step 8

Step 8: If (temp = ren) then point "Palindrome ro."

Flowchart: Step 9: Stop the program



Date: 22/10/2024

Sum of Digits

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

Algorithm:

Step 2: Read n

Step 3: Initialize Sum = 0

Stop 4: remainder = nº/. 10

Sum = Sum + remainder

h= h/10

Steps: If (n>0), go to Step 4 else go to step 6

Step 6: Pount Sum

Step 7: Stop the program

