Date: 18 .10.24

Calculate Area and Perimeter

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

Algorithm:

5 tep-10 Start the program

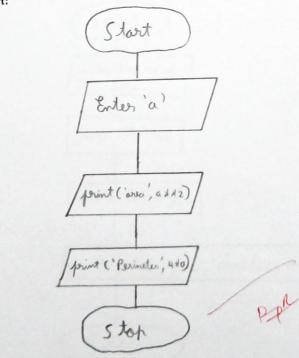
5 teg - 2: Get the Value of a from the uses

5 tep-3 & Print the outcome of 4 x a as the perimeter of the square.

Step-4: Print the outcome of a ** 2 as the Area of the square

5 tep-5: Stop the program

Flowchart:



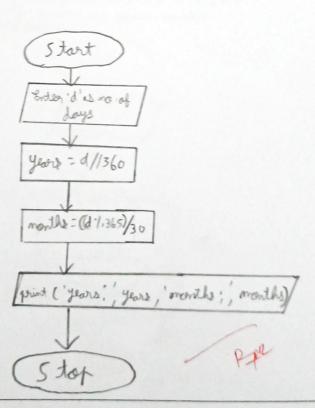
Date: 12.10 L+

Days to Year Conversion

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

Algorithm:

Flowchart:



Date: 18 - 10 - 24

Prime Number

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

Algorithm:

5 tep-1: Start the program

Step-2 : Cret input "n" from the user as a number

Step-3 : Check if n=0 or n=1

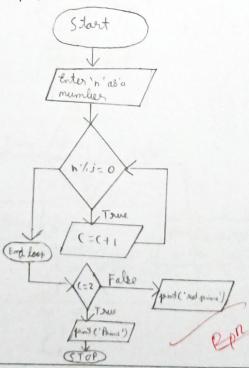
5 ty-4: If Step-3 is true, print nis not a prime number

5 ty-5% Otherwise check if 1>1

5th-6: If Step- 5 is true, initialize a loop with variable is range 2 to h

Step-7: In the loop, check if nyi ==0:

Step-8° If Step-7is true, frint n is not a prime number Step-9° O therwise, print n is a prime number 5 tep-10 at: 5 top the program



Date: 18-10-24

Leap Year

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

Algorithm:

Step-1: Start the program

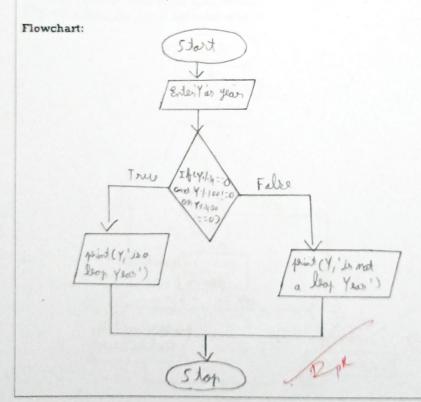
5 ty. 20 Gret injud Y from the user as Year

Stap-30 Check if Y1.4==0 and Y1.100!=0 or Y1.400==0

Step 4: If Step - 3 is town, paint Y is a leap year

Step 5: O therwise, frint Y is not a leap year

5 tep-6: Stop the fragram



Date: 18-10-24

Palindrome Number

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

Algorithm:

Step-1: Start the poogram

5 lep- 2" tret a number 'n from the uses

5 dep-3 & Declare a Variable 'Rev' and initialize it

5 dep-4 " Assign 'n' to a temporary Variable such as d=n

Sty-5: Steed the while loop will condition n! =0

5 dep-6 : Inside the loop, 2=n1.10 rev*= 10+9

Step-7; check if reved

Step-8: If true then nis a plindram

Step- 40 Otherwise, it is not a falinde one Flowchart:

the wee as much

(raliday) tries

No

5=n1/10 n= 10+

Y 13

Yer

pind ("Not falida.

tote

Date: 18 10-24

Sum of Digits

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

Algorithm:

Step-1° Gret a number n' from the user, Also invalue a Variable sum

5 tep-2° Frist Initialize the while loop with the condition n>0

5 tep-3° Inside the loop, m=10/10

Sty-4: Print sum to find the sum of digits

