Ex. No.: I

Date: 28/10/24

Calculate Area and Perimeter

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

Algorithm:

Step 1: Stout the paggram.

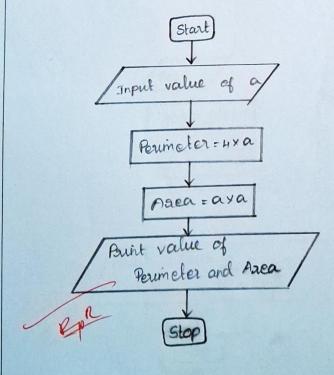
Step 3: Read the value of a.

Step 3: Perimeter = 4 x a.

step 4: Aaea = axa.

Step s: Paint Perimeter and Asea.

Step 6: Stop the paggram



Ex. No.: 21

Date: 22/10/24

Days to Year Conversion

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

Algorithm:

Step 1: Start the paggaam.

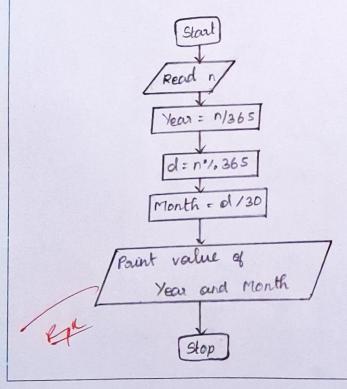
Step 2: Read the value of n 4 d.

Step 3: Paint the value of Year using journale n/365.

Step 4: Obtain the value of d using fromula d-18/0365.

Step 5: Paint the value of Month using foamula d/30.

Step 6: Stop the paggaam.



Ex. No.:

Date: 20/10/24

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.

Steps: Read the value of num.

Steps: Initialize a variable as temp with o.

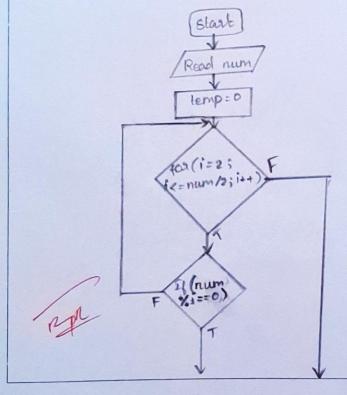
Steps: Use for loop to sun from a to num/2. Steps: If num is divisible by loop iterator, then

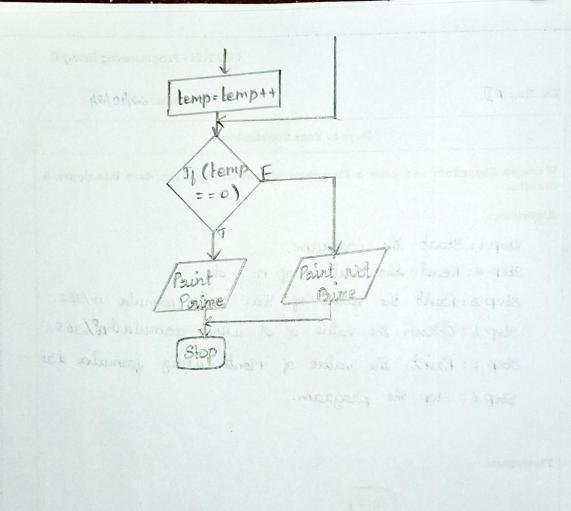
increment temp.

Step 6: 4 temp is equal to 0, paint Paine.

Stept: Else prime Not Prime.

Step : Stop the paggaam.





Ex. No.:

Date: 22/10/24

Leap Year

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

Algorithm:

Step 1: Stout

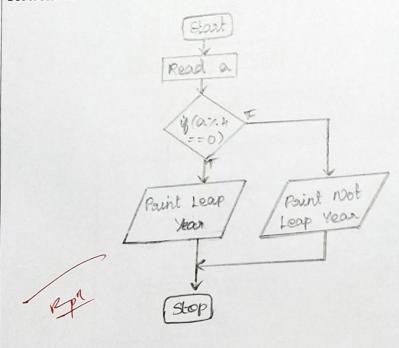
Step : Read the value of a

Step 5: if a 1.4==0

Step 4: Pount Leap Year

Step 5: Else print Not Leap Year

Step 6: Stop



Ex. No.: 6 1

Date: 02/10/24

Palindrome Number

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

Algorithm:

Step 1: Start

Stepa: Declare n, temp, own, rev=0

Steps: Read the value of n

Step 4: Assign temp=n

Steps: Use while loop, while (n!=0)

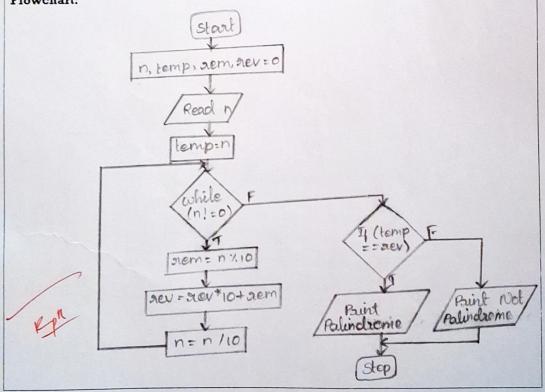
Step 6: aem = n 1/10 (Ausign)

Step 7: aer = aer*10+3em (Assign)

Step 8: n=n 110 (Russign)

Step a: If (temp == ner), paint Palindrome

Step 10: Else print Not Palindrome



Ex. No.: 6 1

Date: 22/10/24

Sum of Digits

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

Algorithm:

Step 1: Start

Step 2: Declare n, sum =0

Step3: Read n

Step 4: Using Leop while (n>0)

Step 5: Pasign sum = sum+ (ny. 10)

Steps: Assign n=n/10

Step 7: Paint sum

Steps: Stop

