Algorithm & Flowchart

Ex. No.: 1

Date: 21/10/24

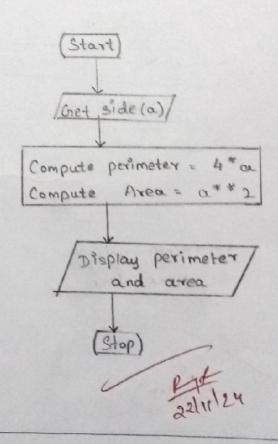
Calculate Area and Perimeter

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

Algorithm:

Flowchart:

2979999999777777799999



Date: 21 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

Step 2: - Get the number of days from user

Step 3:- Calculate the number of years by dividing days of 365: years = days 1/365

Step 4:- Calculate the remaining days after subtracting the total number of years.

• remaining-days = days % 365

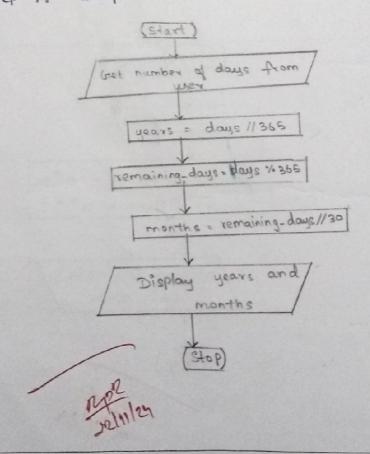
Step 5:- Convert the remaining days into months

months = remaining days //30

Step 6:- Display years and months

Step 7:- Step

Flowchart:



Ex. No.: 3

Date: 22/10/2024

Prime Number

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

Algorithm:

Step 1: Start

Step 2: Read value n

Step 3 :- set i=1, count =0

Step 4: If it = no if go to steps (or) go to step 8.

Step 5: check n./. i = 0, go to step 6.

Step 6 : Set count = count +1

Step 7: i = i+1, go to step 4

Step 8: - Check count , if count = 2, Display prime num.

Step 9: Stop

Flowchart:

4

+

Ex. No.: 4

Date: 22 10 2024

Leap Year

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

Algorithm:

Step 1's Start

Step 2: Input year

Step &: Calculate leap year = year 1. 4 = = 0,90 to step 4

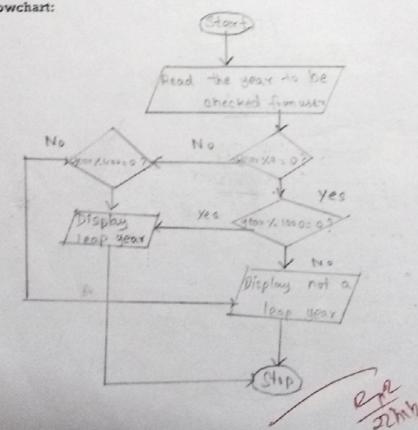
Step 4: Display it is leap year

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Step 5: Display it is not leap year

Step 6 : Stop

Flowchart:



Date: 22 10 2024

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 : Input x

Step 2: Set y=x grev=0

Step 4: check x 1=0 (or) go to step &

Step 5 :- Compude k = x 1/. 10

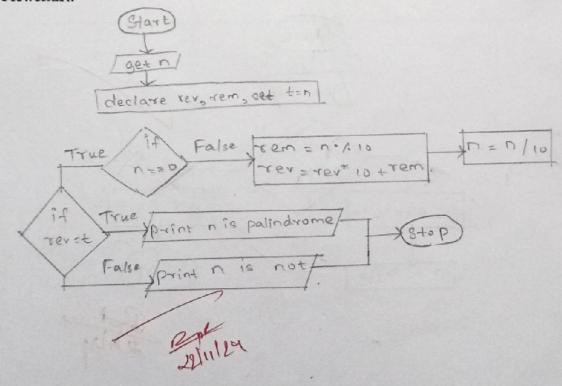
Step 6 : Yer = Yer 10+K

Step 7: x= x/10, go to Step 4

step 8: Check if y== ver, otherwise go to step 10

Step 9: Stop

Flowchart:



Date: 22 10 24

Ex. No.: b

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 : Input x

Step 3: Set k=0

Step 4: check if x! =0, go to Step 8

Step 5: Compute y = x.1.10

Step 6: K = K+4

Step 7: Compute xxx/10, goto step 4

Step 8: Display K

Step 9: Stop

Flowchart:

