Ex. No.: 1

Date: 27/9/24

Calculate Area and Perimeter

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

Algorithm:

Step 1 :- Start

Step 2 :- Get a

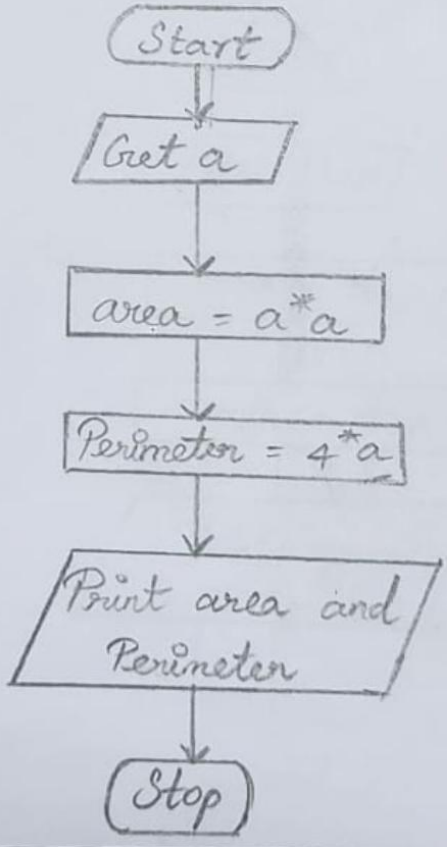
Step 3 :- Compute area = a*a

Step 4 :- Compute Perimeter = 4*a

Step 5 :- Print area and perimeter

Step 6 :- stop

Flowchart:



8/12/24

Ex. No.: 2E

Date: 27/9/24

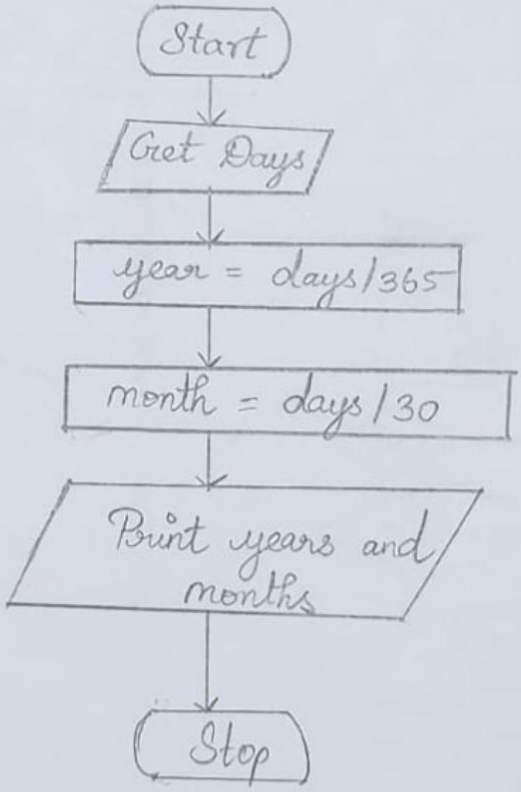
Days to Year Conversion

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

Algorithm:

Step 1:- Start
Step 2:- Get Days
Step 3:- Compute year = days/365
Step 4:- Compute month = days/30
Step 5:- print years and months
Step 6:- Stop

Flowchart:



6/12/24

Ex. No.: 2E

Date: 27/9/24

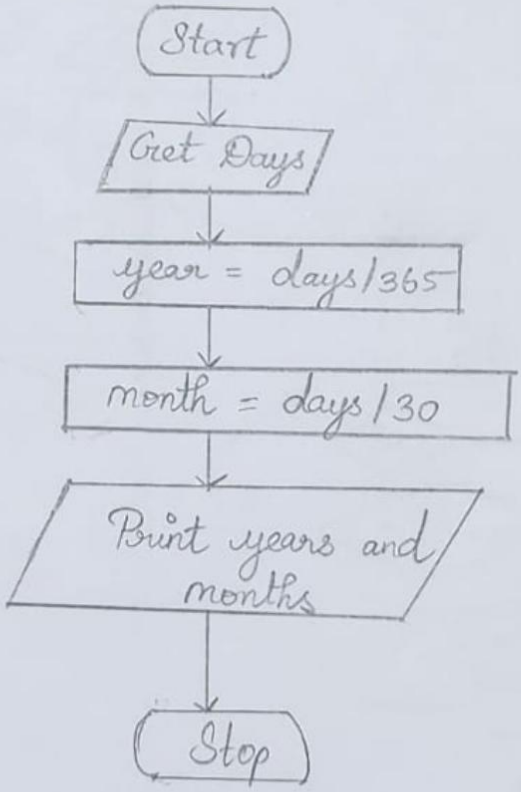
Days to Year Conversion

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

Algorithm:

Step 1:- Start
Step 2:- Get Days
Step 3:- Compute year = days/365
Step 4:- Compute month = days/30
Step 5:- print years and months
Step 6:- Stop

Flowchart:



6/12/24

Ex. No.: IV **Date:** 3/10/24

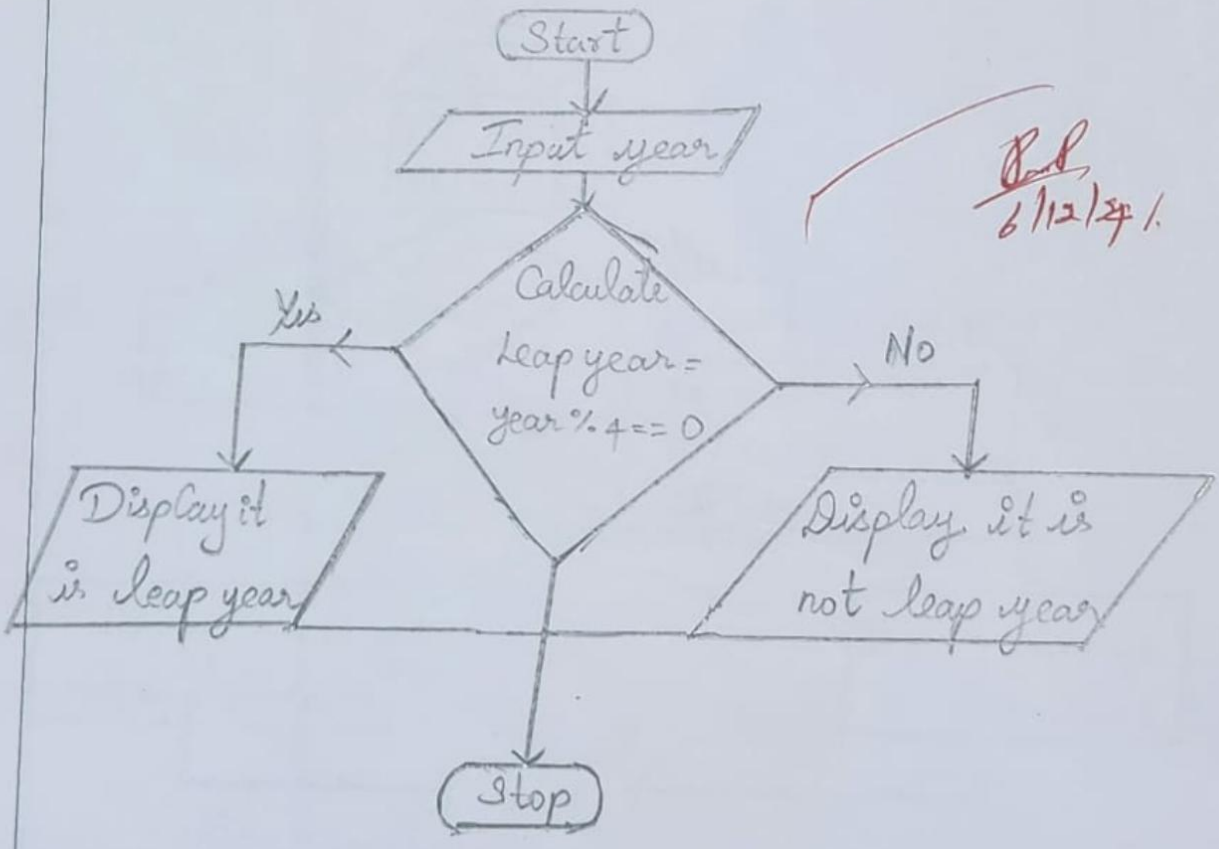
Leap Year

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

Algorithm:

Step 1 :- Start
Step 2 :- Input year
Step 3 :- Calculate Leap year = year % 4 == 0
goto step 4, otherwise goto Step 5
Step 4 :- Display It is leap year
Step 5 :- Display It is not leap year
Step 6 :- Stop

Flowchart:



6/12/24

Ex. No.: V **Date:** 3/10/24

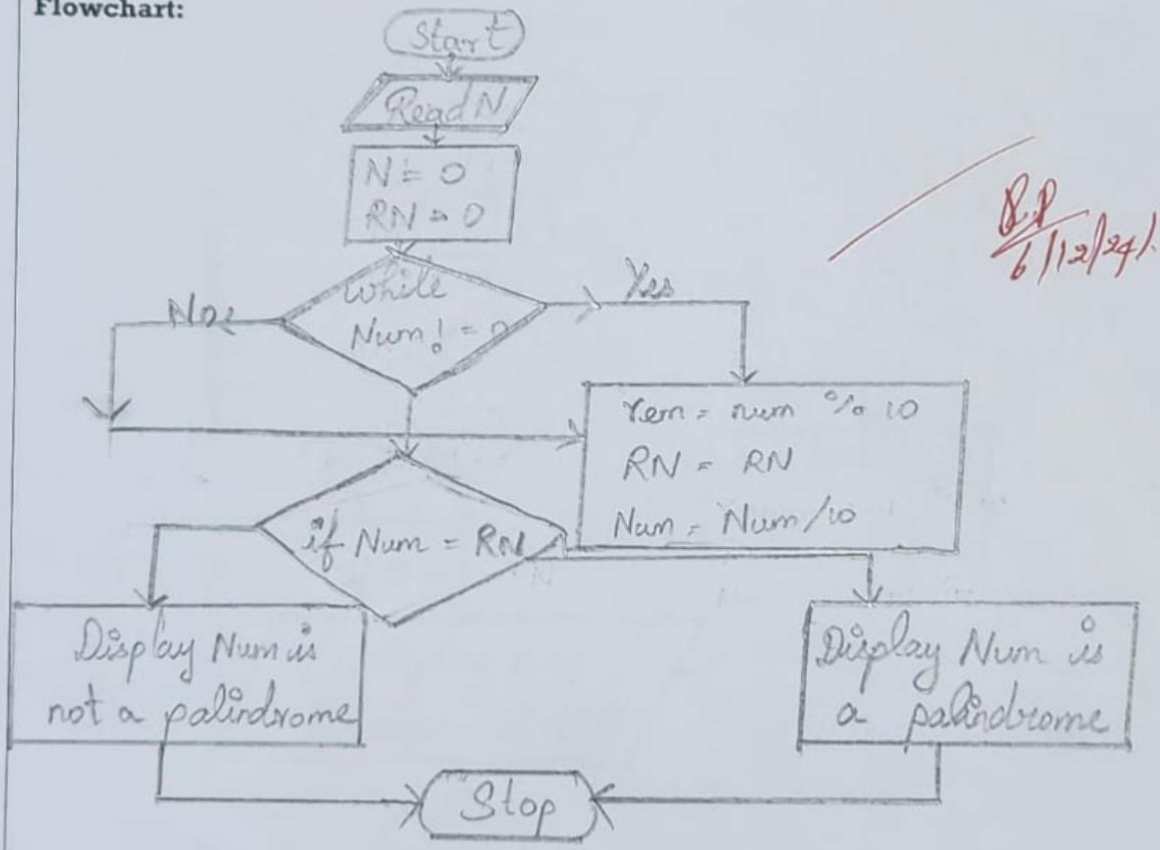
Palindrome Number

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

Algorithm:

Step 1: Start
Step 2: Read n
Step 3: Reversed integer is in reversed variable using while (n! = 0)
Step 4:- Calculate rem = n%.10
Step 5: if (original == reversed) display the number is palindrome. else display the number is not a Palindrome
Step 6:- Stop

Flowchart:



6/12/24

Ex. No.: 6.1 Date: 3/10/24

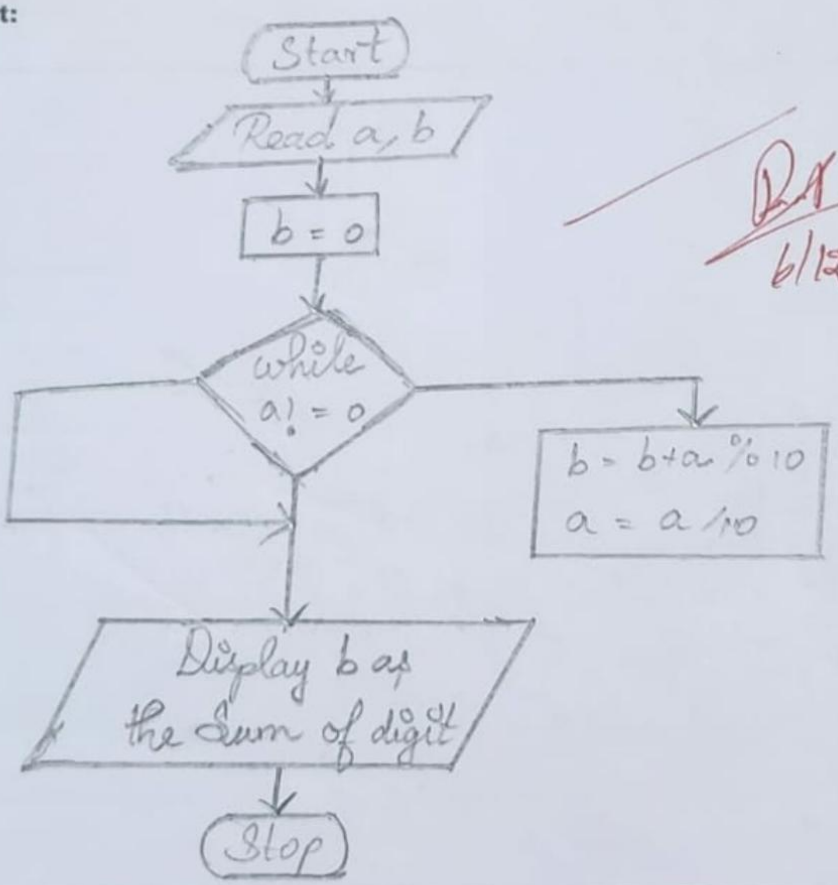
Sum of Digits

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

Algorithm:

Step 1: Start
Step 2: Read a as a user input b as 0
Step 3: While loop and a != 0
Step 4: Calculate Sum b = b+a % 10
and decrease a = a/10
Step 5: Display b as Sum of digits
Step 6: Stop

Flowchart:



6/12/24.