

Ex. No.: 1

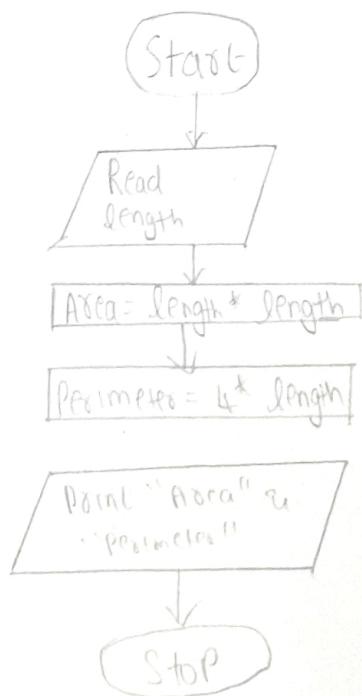
Date: 26/10/24

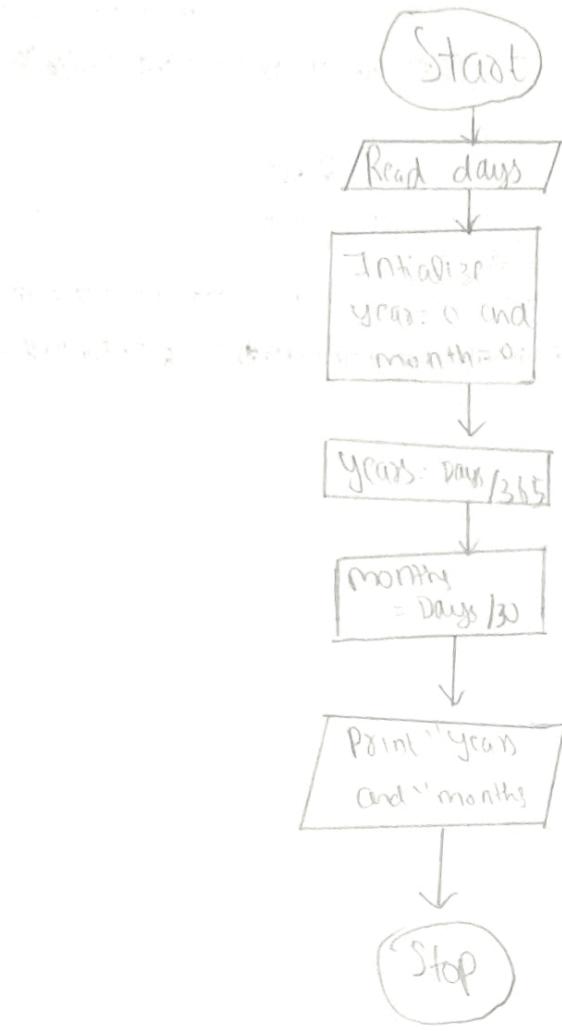
Calculate Area and Perimeter

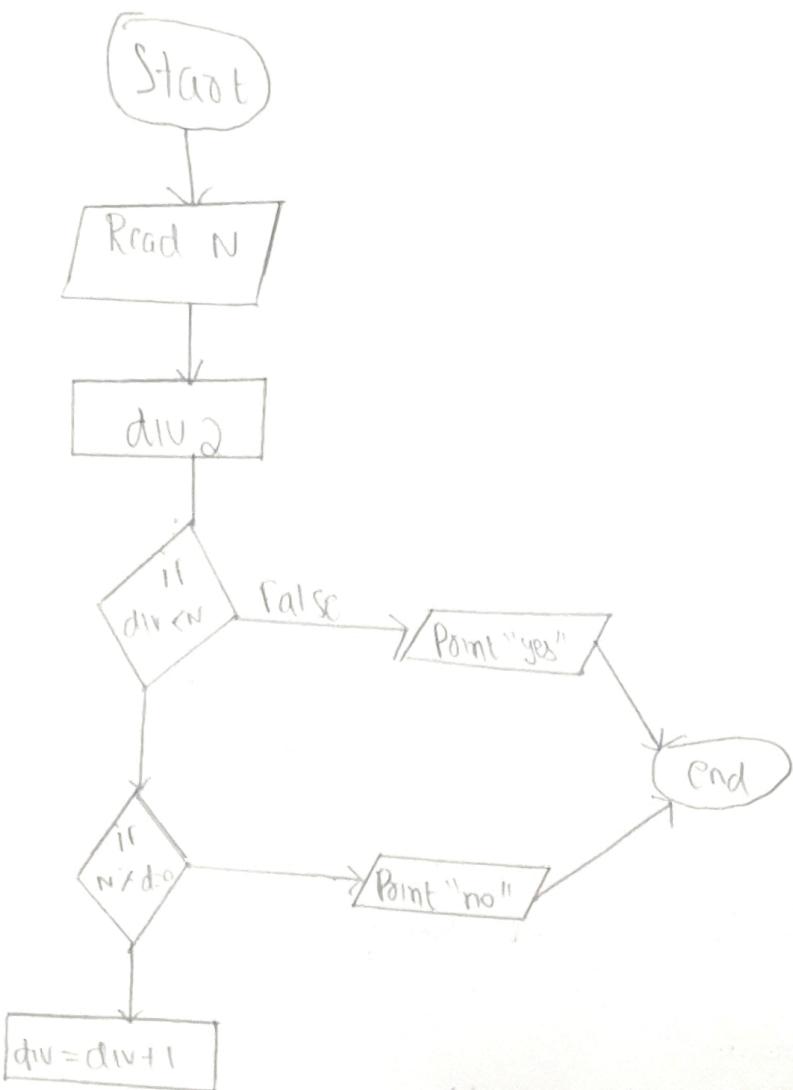
Write an Algorithm and draw a Flowchart to Calculate the area and perimeter of a square.

Algorithm:

- Step 1: Start
- Step 2: Read length
- Step 3: Area = length * length
- Step 4: Perimeter = 4 * length
- Step 5: Print "Area" and "perimeter"
- Step 6: STOP

Flowchart:





Ex. No.: 4

Date: 26/01/24

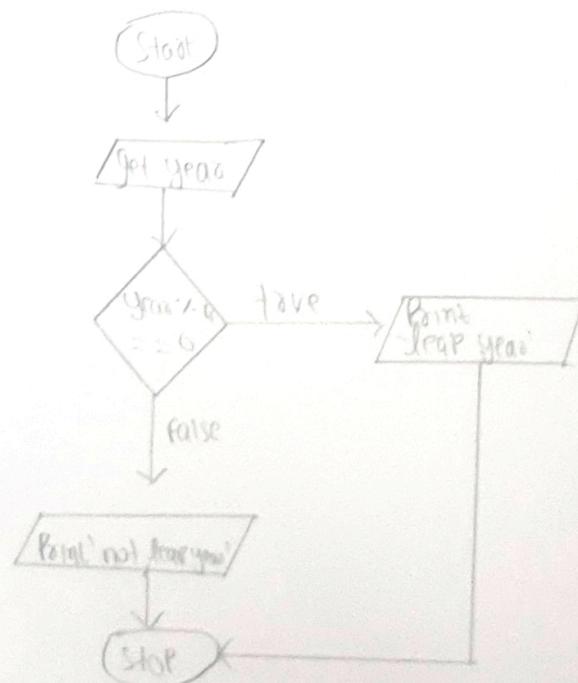
Leap Year

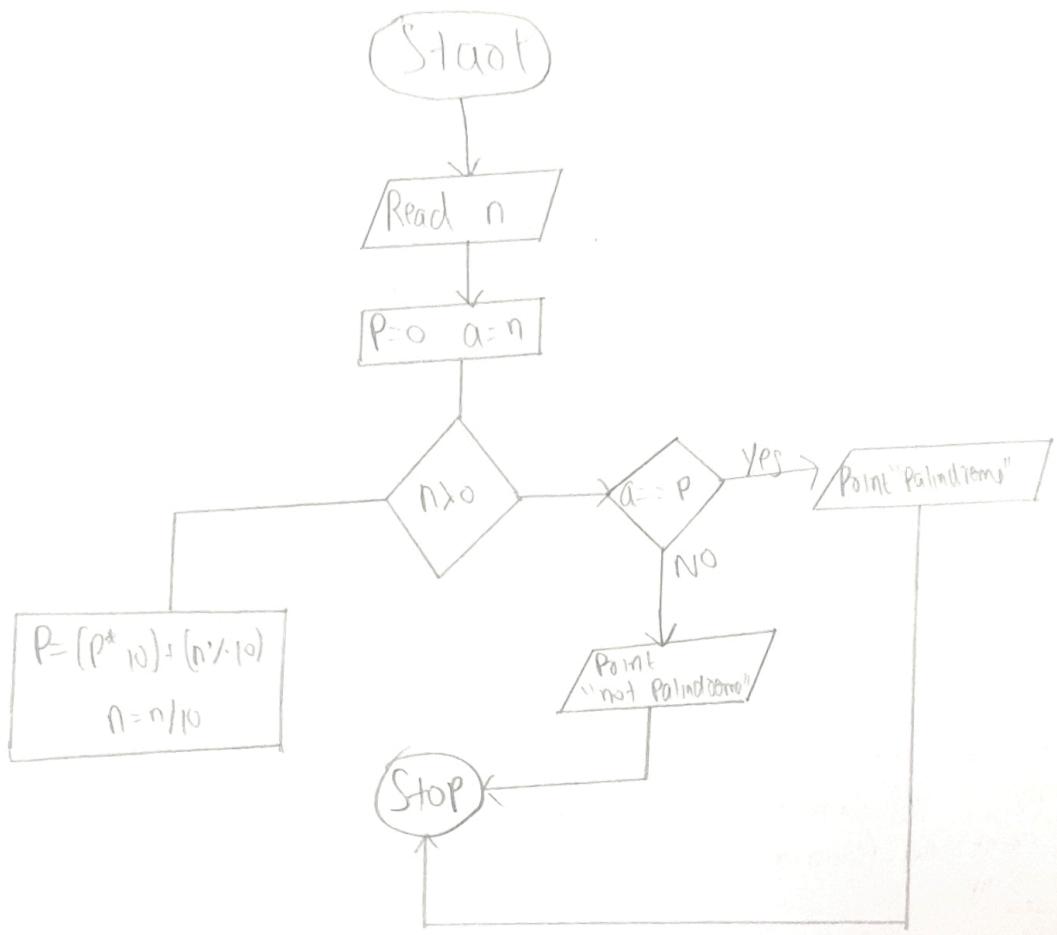
Write an Algorithm and draw a Flowchart to check whether the given year is Leap year or not.

Algorithm:

- Step 1: Start
- Step 2: Read year
- Step 3: Check $year \% 4 = 0$ If it is true go to Step 4 otherwise
Go to Step 5
- Step 4: Print "leap year"
- Step 5: Print "not leap year"
- Step 6: End

Flowchart:





Ex. No.: b

Date: 26/9/24

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: Get 'n' from the user

Step 3: Initialize sum is equal to zero

Step 4: Check $n > 0$ true go to Step 5 else go to Step 6Step 5: $Sum = Sum + (n \% 10)$ Step 6: $n = n / 10$ go to Step 4

Step 7: Print "Sum"

Step 8: Stop

Flowchart: