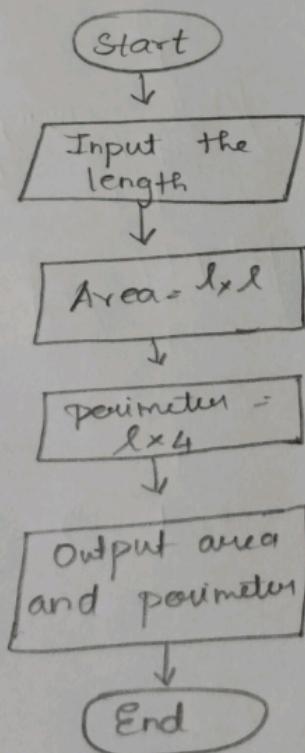


24/18/01/30/5

Calculate Area and Perimeter

Algorithm:

- Step 1: Start
- Step 2: Input the length
- Step 3: Calculate the Area = $l \times l$
- Step 4: Calculate the perimeter = $l \times 4$
- Step 5: Output the area and perimeter
- Step 6: End



Days to year conversion

24/8/01/305

Step 1: Start the Algorithm

Step 2: Input Number of days

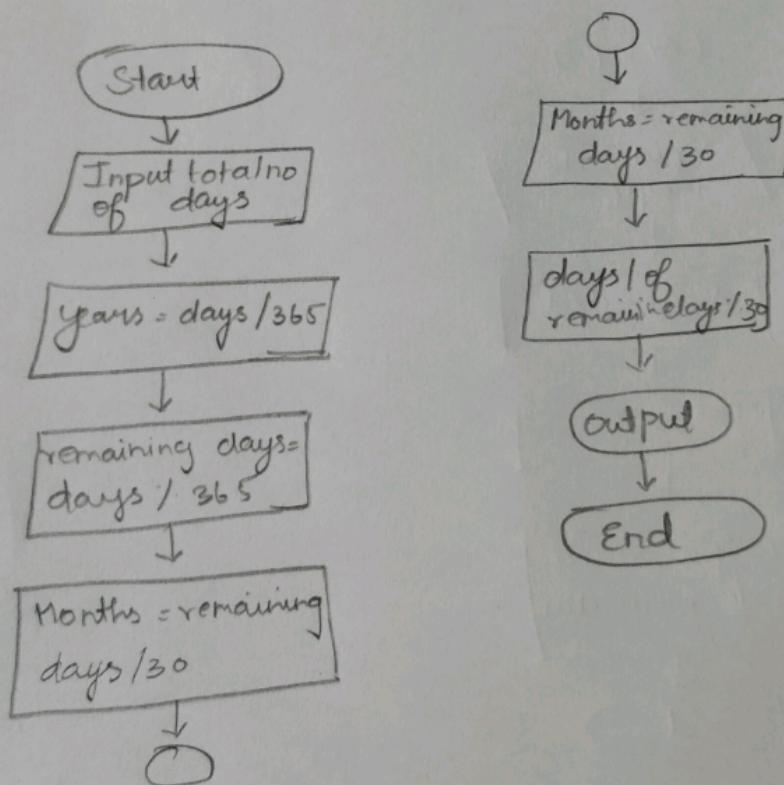
Step 3: Calculate years = no. of days by 365

Step 4: Calculate the remaining days after calculating
years = days % 365

Step 5: Calculate the no. of months = remaining days / 30

Step 6: Calculate remaining days after calculating months
days left = rem - days % 30

Step 7: End.



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Sum of digits

Algorithm

Step 1: Start

Step 2: Input the Number (n)

Step 3: Initialise $\text{Sum} = 0$

Step 4: Repeat the following steps

$n > 0$ - Extract the last digit of n ;

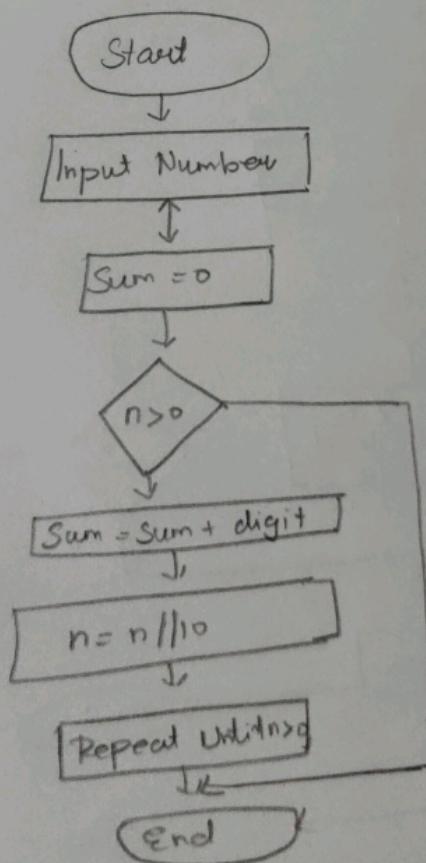
$$\text{digit} = n \% 10$$

$$\text{Sum} = \text{Sum} + \text{digit}$$

$$- \quad \text{Remove the last digit from } n = \overline{n}n/10$$

Step 5: Output the Sum

Step 6: End



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Palindrome Number

Step 1: Start

Step 2: Read the Number

Step 3: Initialise : Set Original = n & reversed = 0

Step 4 : While $n > 0$

- Set digit = $n \bmod 10$

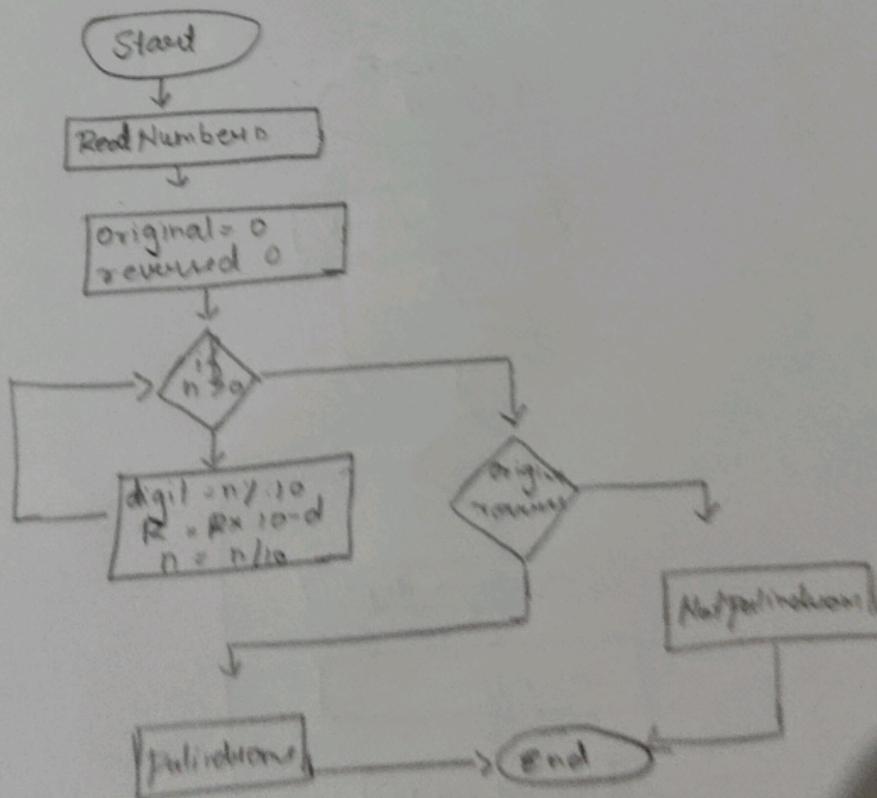
- Update reversed = reversed $\times 10 + digit$

- Update $n = n \div 10$

Step 5 : if Original = reversed, print "palindrome"

Step 6 : Else print "not palindrome"

Step 7 : End



24/8/01/305

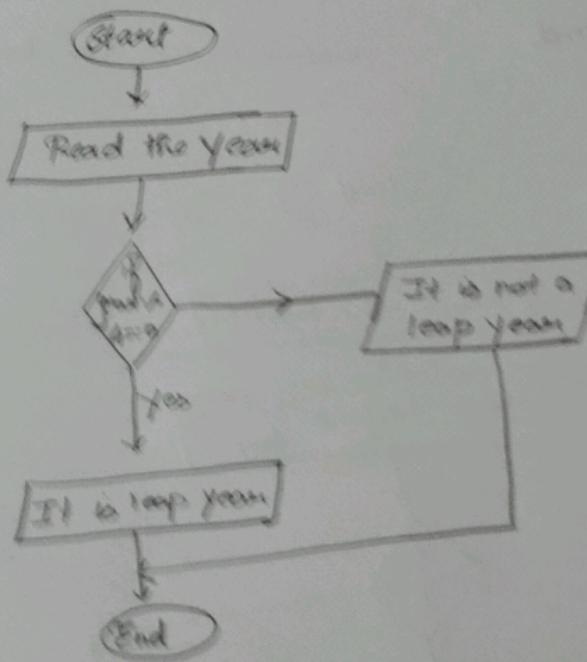
Leap Year

Step 1: Start the process

Step 2: Read the year

Step 3: If the year $y \cdot 4 = 0$ return "It's leap year".
else "Not leap year".

Step 4: End



Prime Number

241801305

Step1 : Start

Step2 : Take num as input

Step3 : Initialize temp = 0

Step4 : Iterate a for loop iteration from 2 to num

Step5: If the temp is equal to 0

 Return Num is prime else Not prime

Step6 : End

