Date: 19 10-2024

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 the length of side a

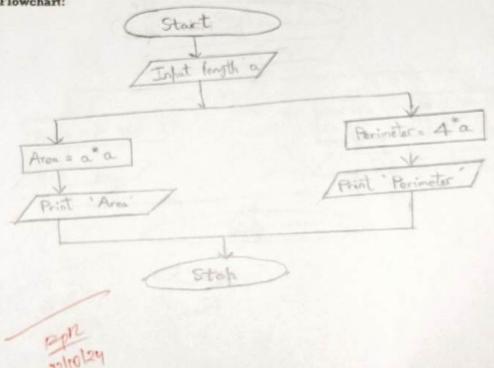
Step 3: A = a a

Step 4: Print A as Area of Square

Sty 5: P= 4 a

Step 6: Print P as Perimeter of Square

Step 7: Stop



Date: 19 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 given number of days 'n'

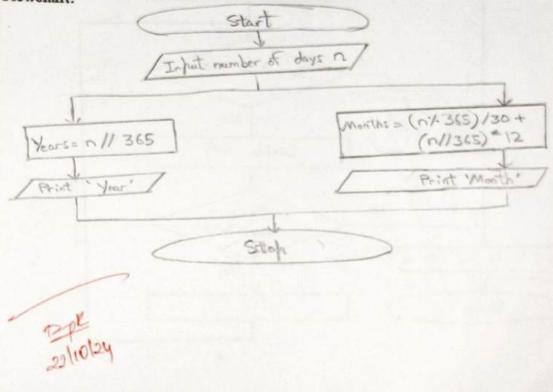
Steh 3: Y = n // 365

Step 4: Print Y as 'Number of years'

Step 5: M = (nx 365)/30 + (n//365) * 12

Step 6: Print M as Number of months

Step 7: Stop



Date: 18 - 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 given number n

Step 3: If n is not an integer, then print "n is not a prime"

and go to step 7 else go to step 4

Step 4: If n is less than or equal to 1 then print in is not a prime number and go to step 7 else go to

step 5.

Step 6: If notion of or all values of i, then print "n is not a

prime number "or else print "n is a prime number"

Steh 7 : Stop

Ex. No.: 14

Date: 18-10 - 2024

Leap Year

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

Algorithm:

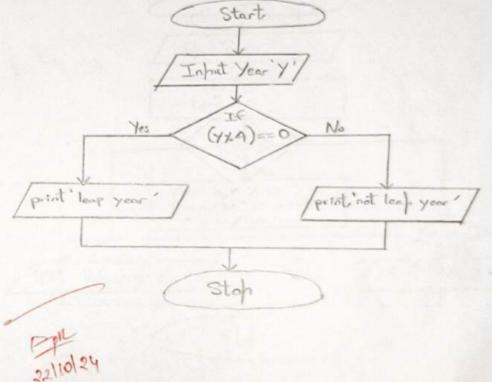
Step 1: Start

Step 2: Read year Y

Step 3: Set r = Y % A

Step 4: If r == 0, then print 'Y is a leap year' else print 'Y is not a leap year'

Step 5 : Stop



Ex. No.:

Date: 18 -- 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 : Read n

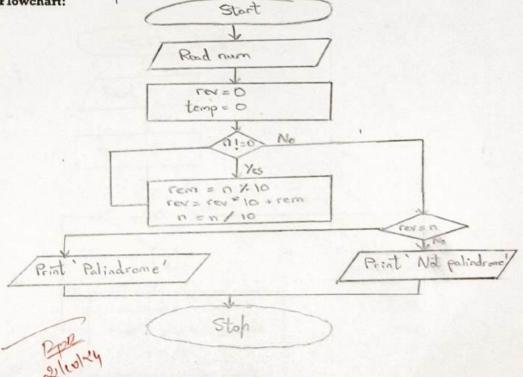
Step 3: Declare temp = n, rev = 0

Step 4: rem = 1 % 10

Steh 5: rev = rev * 10 + rem

Step 7: If n>0 then go to steps 4 to 6 eke go to step 8

Step 8: If temp==rev then print n is a palindrome number step 9: Step 9: Stop



Date: 18 -10 - 2024

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 number n

Step 3 : Declare sum = 0

step 5: If n>0 then go to step 4 else go to next step

Step 6 : Print 'Sum'

Step 7: Stop

