Calculate Area and Perimeter

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

Algorithm:

Step 1: START

Step 2: Enter Input value for a variable 'a'.

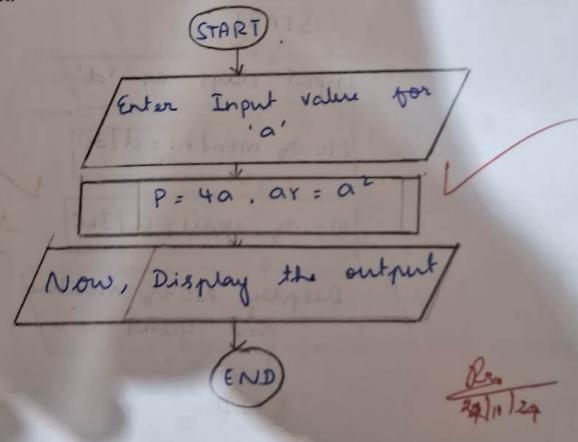
Step 3: Using formulae, p=4a and ar = a2, we can calculate the perimeter and area of square

respectively

Step 4: Click run and display the output.

Sten S: END

Flowchart:



Ex. No.: 2

Date: 17/10/2 4

Days to Year Conversion

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

Algorithm:

Step 1: START

Step 2: Input days as 'd'

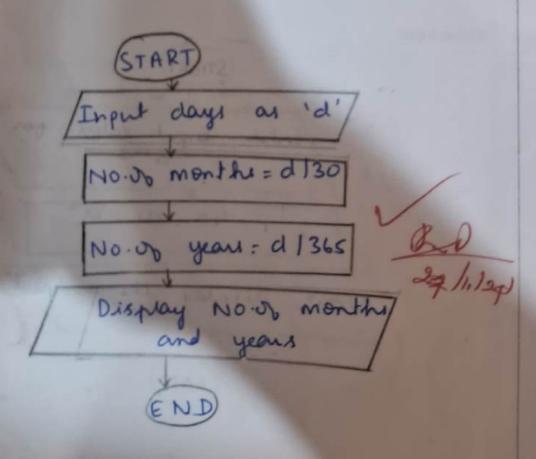
Step 3: Calculate the No.03 months: d/30

Step 4: Calculate No. 08 years = d1365

Step 5: Display No. of months and years

Step 6: END

Flowchart:



Ex. No .: 3

Date: 17 (10/24

Prime Number

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

Algorithm:

Step1 : START

Step 2: Assign two inputs "numberti".

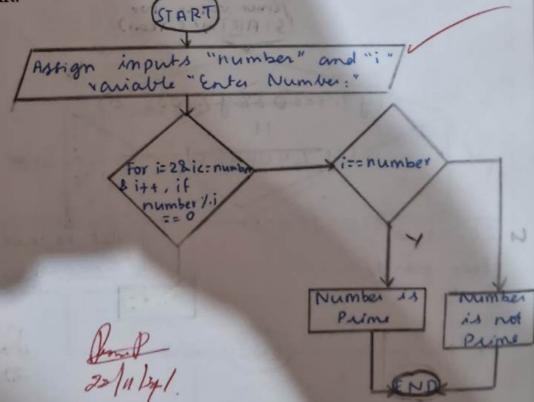
Step 3: For i = 2; i == num ber; i++, if number 1. == 0 then break the loop.

Step 4: It i:= number, then print "Number is prime".

Step 5: Else, print "Number is not prime

Sty 6: END

Flowchart:



Date: 17/10/24

043 10 york

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: Hstign variable name 'Enter Year' and Enter

Step 3: 4 (y.1.4==0 and y.1.100 \$0) or y.1.400 ==0).

Step 4: Print "It is a leap year"

Step 5: Else, print "It is not a leap year"

Step 6: END

Flowchart:

rencer value for . 'y' (Year)

(y'.4==0 && y'.100!=0)

It is not a lear year

END

END

END

Date: (7/10/27

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: Cret input from user.

Step 3: Declare and initialize the variable reverse and assign imput to a temp. variable temp Numerum Step 4: Start while loop until num! = 0 becomes balse. rem = num 1.10; reverse* = 10+rem; num = num/10

Step 5: Check if reverse: temp Num Step 6: If there, then the no. is a palindrome Step 7: Else, it is not a palindrome.

Step 8: END

Flowchart:

START

Read num

reverse: 0

tempNum:num

N

reverse: 10+vem
num:num/10

Palimdione

Not Palimdione

Date: 17/10/27

Ex. No.: 6

Sum of Digits

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

Algorithm:

step 2: Initialize a variable sum=0 to count the

Step 3: Start a while loop with the condition that

Step 4: Add to sum the value at ones place in num as sum = sum + num. 1.10. Here, num. 1.10 represents the value of digit at the ones placed in num.

Value of digit at the ones placed in num.

Step 5: Divide num by 10 as the current digit at ones place has been counted. Step 6: END

