Date: 18/10/24

# Calculate Area and Perimeter

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

Algorithm:

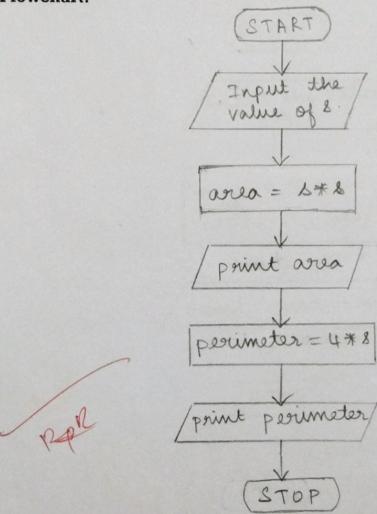
STEP 1: Start the Perogram

STEP 2: Get the value (s) for side of square

STEP3: Print area after s\* s.

STEP 4: Point perimeter after 4 \* 8.

STEP 5: Stop the program.



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## **Days to Year Conversion**

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

# Algorithm:

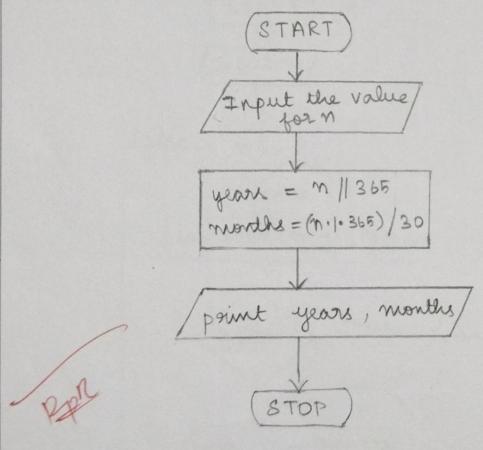
STEP 1: Start the program

STEP 2: Get the value (n) for no of days.

STEP 3: Point years after dividing n by 365 to get quotient

STEP 4: Point months after dividing (n 1.365)/30

STEP 5: Stop the program



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### **Prime Number**

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

### Algorithm:

STEP 1: Start the program.

STEP 2: Input m.

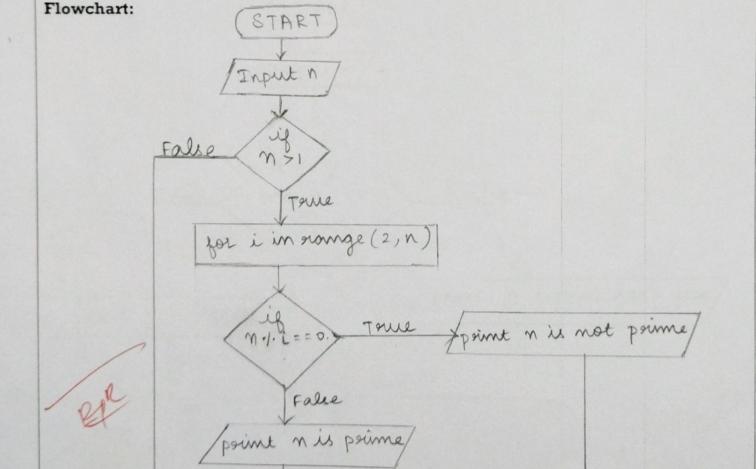
STEP 3: Check if m>1 and iterate loop(i) from 2 to n.

STEP 4: Check if (m·1·i ==0); if true point m is

not pointe

STEP 5: if n.1.i]=0; then n is pointe.

STEP 6: Stop the program.



Ex. No.: IV

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## Leap Year

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

# Algorithm:

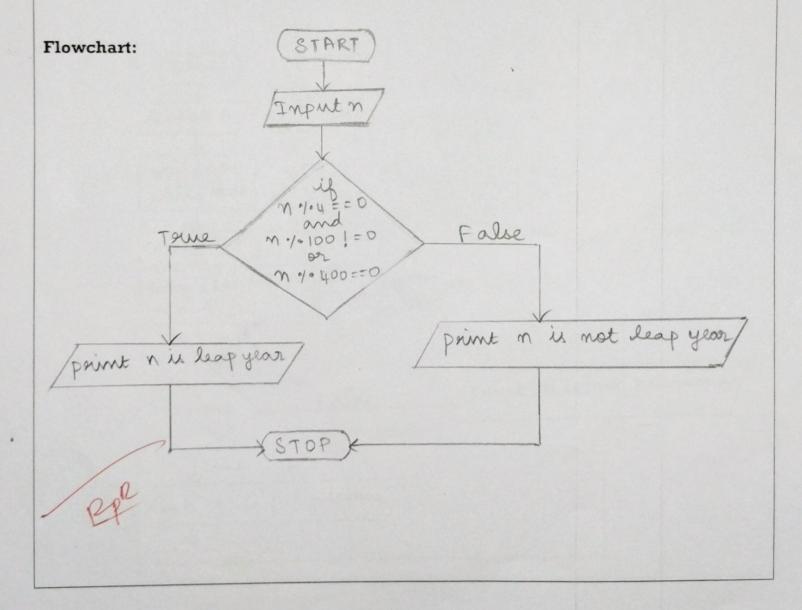
STEP 1: Start the program

STEP 2: Imput n

STEP 3: Check if m.1. 4 == 0 and m.1.100 1= 0 sx m.1.400==0

STEP 4: If tome, n is leap year; else, n is not leap year

STEP 5: Stop the program.



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#### Palindrome Number

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

## Algorithm:

STEP 1: Start the program

STEP 2: Input n.

STEP 4: In a loop, compute or = n 1/2 10

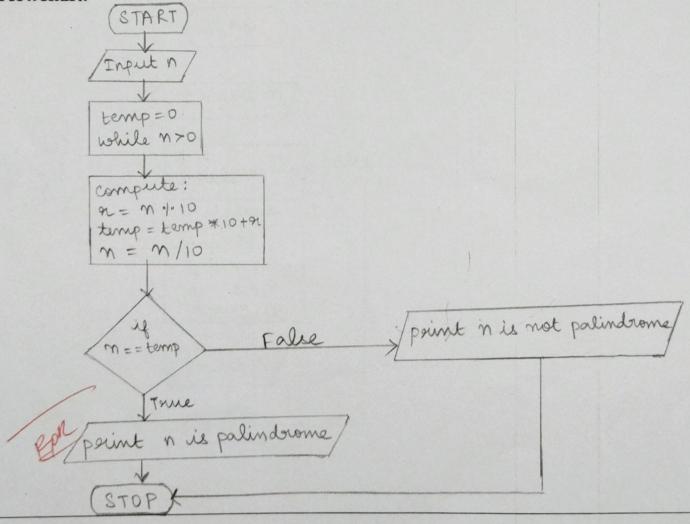
STEP 5: compute temp = temp \*10+92

STEP 6: compute n = n/10.

STEP 7: If. m = = temp; point n is palindrome.

STEP 8: Else pount n is not palindonne

STEP9: Stop the program.



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### Sum of Digits

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

### Algorithm:

STEP 1: Start the program

STEP 2: Imput n

STEP 3: Initialise &=0.

STEP 4: Iterate and check if m >0.

STEP 5: Compute 9= n.1.10

STEP 6: Compute is = 8+91

STEP 7: Compute n = n/10. STEP 8: Pount &.

STEP 9: Stop the program.

