Calculate Area and Perimeter

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

Aigorithm:

Step or : start

Step 02: Read Value of length

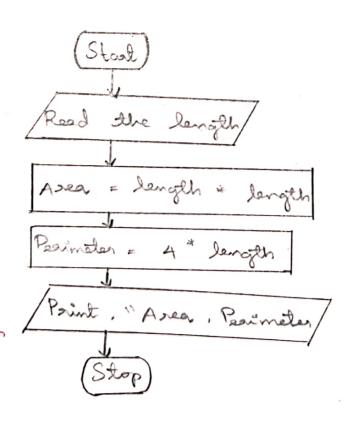
Step 03: Calculate Area = langth * length

Step 04: Calculate Perimeter = 4* length

Step 05: Point, "Area, Perinder".

Step ob: Stop

Flowchart:



Par

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: [Input number of days]. INPUT Total days

Stop 3: [Compile years]. YEARS = botal days div 365.

Step 4: [Compute remaining DAYS]. REM = total days mod 365

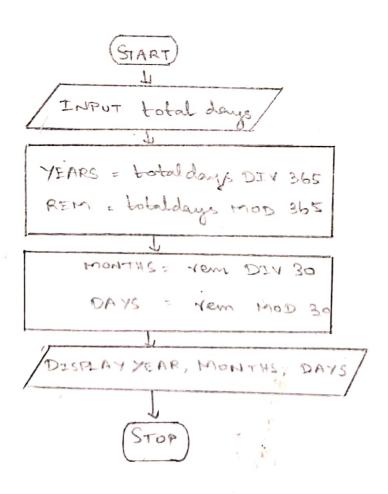
Stop 5: [Compute MONTHS]. MONTHS = REM der 30

Step 6: [compute remaining DAYS]. DAYS = REM mod 30

Stop 7 : DISPLAY YEARS, MONTHS, DAYS.

Step 8: STOP.

Flowchart:



Por

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 n

Step 3: Set f=1

Stop 4: if n==1 then point "n is not point number" go to

istop 8

Step 5 : For 1 = 2 to n-1

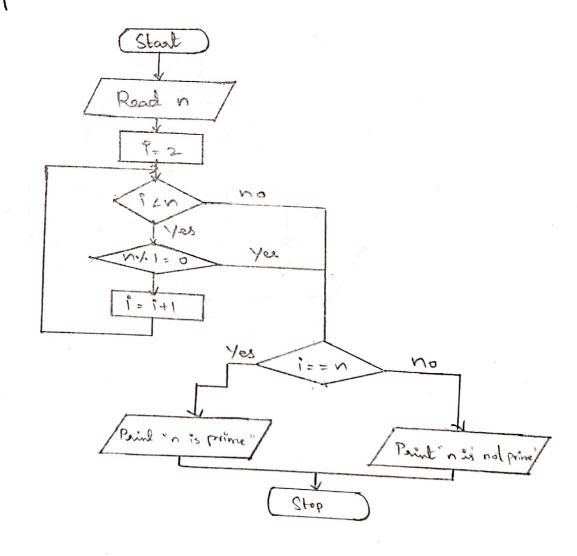
: If Myor == 0 then set f=1 and break due goto step 5 Step 6

Step 7 : if f == 1 then print "n is not prime number" else print "n

is prime number".

Step 8 : Stob

Flowchart:



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 : Pand your

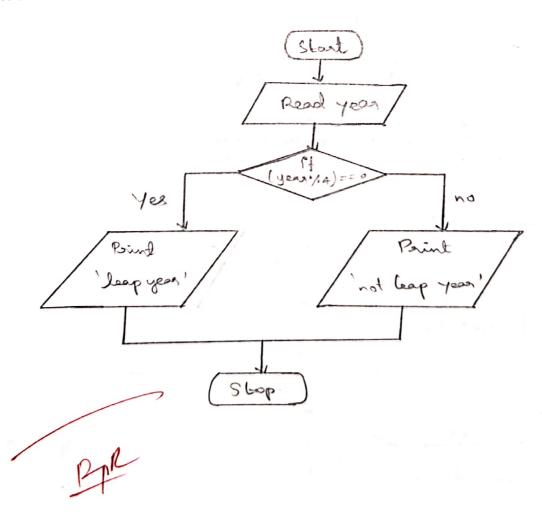
Stop 3 : rem = year 1.4

Step 4: if (rem = = 0) then print ' leap year' alse paint

'not leap year'.

Stop 6 : Stop.

Flowchart:



Palindrome Number

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

Algorithm:

Step 1: Slaut

Step 2: Read Value for number a store in a temporary

Variable (hum)

Step 3: Make Variable recerve num

Step 4: While num >0

last-digit = num. 1.10 reverse-num = reverse-num * 10 + last - digit

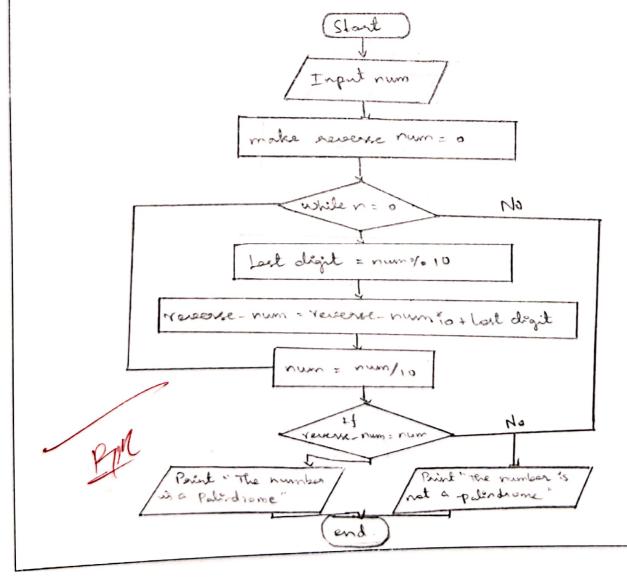
num = num/10

Step 5: If reverse_num = num then point "the number is a

palindrome" alse print "the number is not a palindrome".

Step 6: End.

Flowchart:



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 n

Step 3: Initialise Sum = 0

Stop 4: remainder = no/10

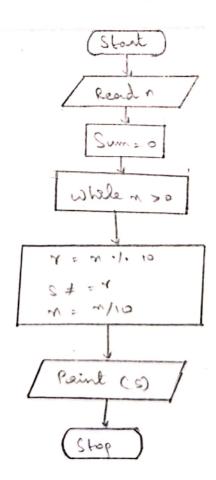
Sum = Sum + remainder =) (m = 1/10)

Step 5: If (m>0), go to step 4 else go to step 6.

Step 6: Print Sum

Step 7: Vi Stop. Fil, Constants, Variables and

Flowchart:



Pin