240501166 Ex. No.: 01

Date: 24 19/2029

Calculate Area and Perimeter

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

Algorithm:

Step1: Start

steps: out the input for side of the Square.

steps: Initialize "premeter" and "Area" is equal to zero

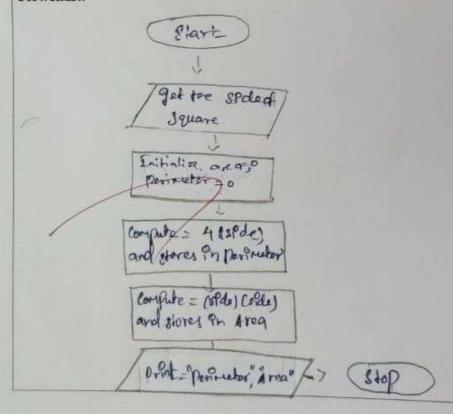
stepy! multiply 4 by the side and store in Perimeter.

sups: multiply the side by itself and store in Area

Step b. Print " promoter " and "Area"

step=: stop.

Flowchart:



GE23131 - Programming Using C Kirsac Jabri 240001166 Date:

Ex. No.: 02

Days to Year Conversion

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

Algorithm:

Step 1 : Start

Step 1: Start

Step 2: Onet the "uput and days

step 3: Initialize years = 0 and Honders = 0

step 4: Calculate years = days

step 5: Calculate Honters = days

step 5: Calculate Honters = days

step 6: Pornt "years" and "Montes"

Step7: Stop

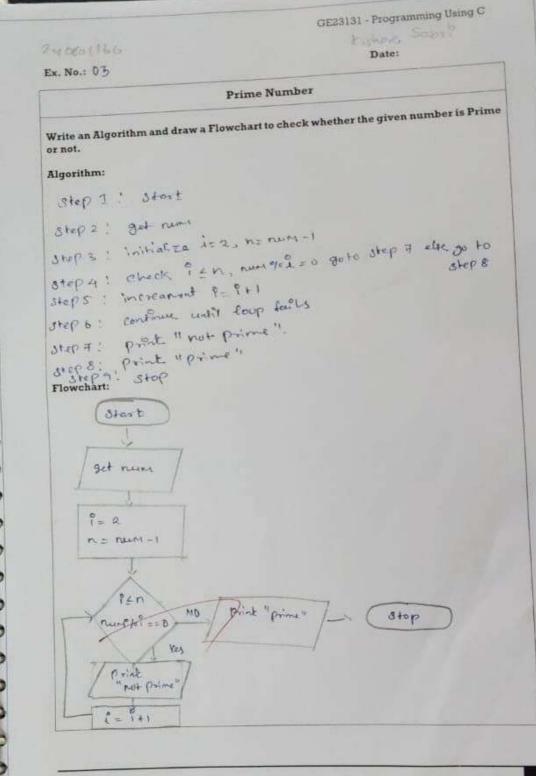
Flowchart:

get days Institute years =0,

Calculate years - days /365

Calculate Montay = days

Stop



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GE23131 - Programming Using C

Fisher School

Date:

240801166

Ex. No.: 04

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 1: get year

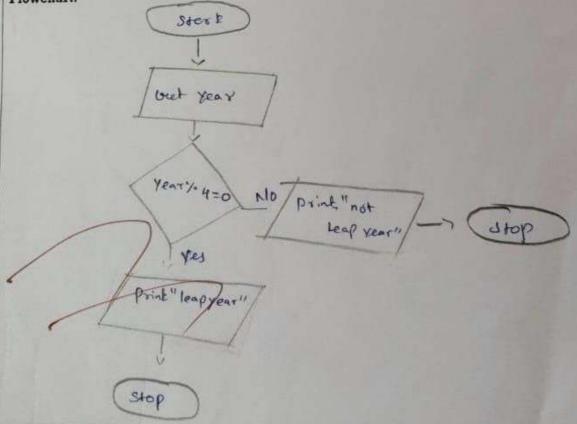
stop 3: check year 164 = 0 Then go to step 4, else go to

step4: point "temp year"

Stops: print "not leap year"

Step 6 : Stop

Flowchart:



Date:

240801186 Ex. No.: 03

Palindrome Number

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

Algorithm:

Stop ?! Start

step)! Onef in from user

stop 3! Set p=0, arm

steph! plack whether n>0, go to step 5 else go to stop7

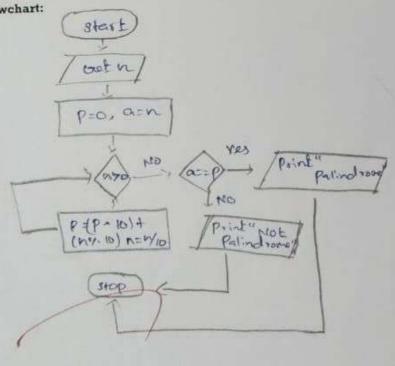
stops: p=(p*16)+(n-1/10) stop6: n=n/10, go to stop4

Step 7! oheck whether arep, true go to step & else go to step 9

stepl: print "palindrone", go to step 10

step q' print " Net Palindrone", step 10: stop

Flowchart:



GE23131 - Programming Using C

Kishove Solon 5 Date:

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Ex. No.: 0 6

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 : but 'n ' from the user'

Step & : Initialise Sum is equal tozero

step4: check hyo with the gotostops else go tostep8

Step 5 : Sum - Sum + (no/010)

step 6 : n= 1/10 , go to step 4

Step 7 ! Point " sum"

Steps; Stop.

