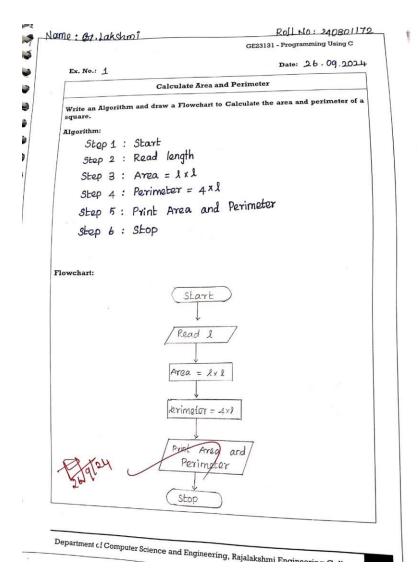
# Week 0

Roll no: 240801172

Name: Lakshmi.G



GE23131 - Programming Using C

Ex. No.: 2

Date: 26 . 9 . 20214

#### Days to Year Conversion

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

# Algorithm:

Step 1: Start

Stop 2: Input No. of days

Step 3: Years = days /365

Step 4: calculate the remaining days after calculating the years.

remaining-days = days %. 365

step 5: calculate the number of months

months = remaining - days /30

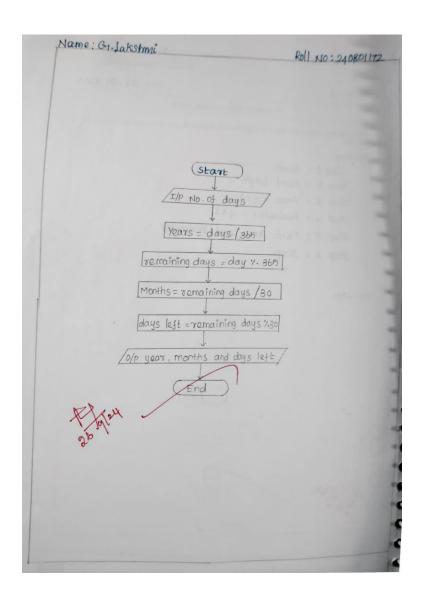
#### Flowchart:

step 6: Calculate the remaining days after calculating months

days\_loft = remaining-days % 30

step 7: Output the year, months and days-left.

Step 8 : End.



Ex. No.: 3

Date: 26 .09 .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: Input the number

Step 3: If i=2 and izn, go to step 7

Step 4: 17.2 == 0, go to step 7

Step 5 : 1 == n

step 6: 1=1+1, goto step 3

Step 7: If the i == n

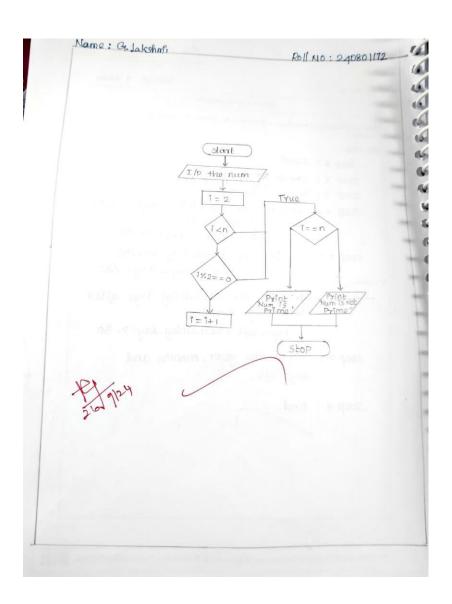
Print "Num is prime"

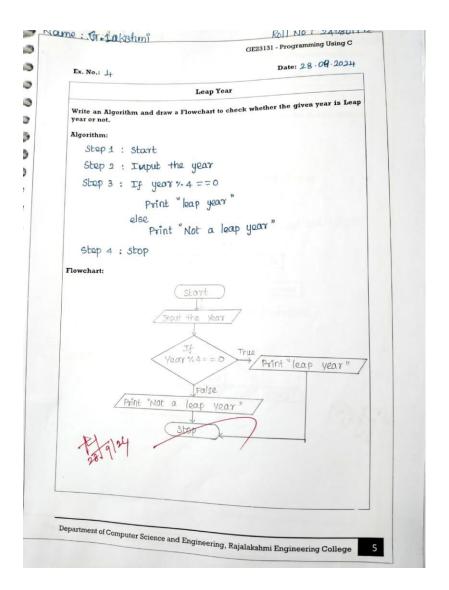
Flowchart:

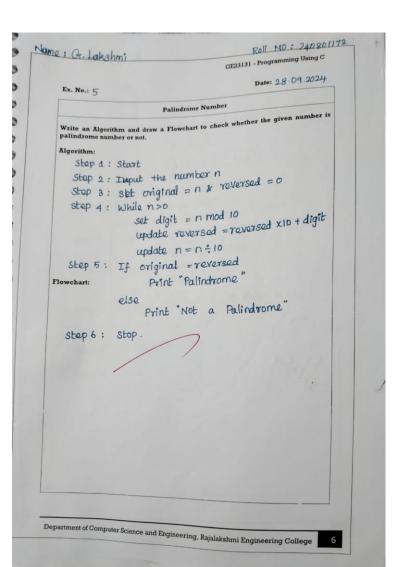
0219

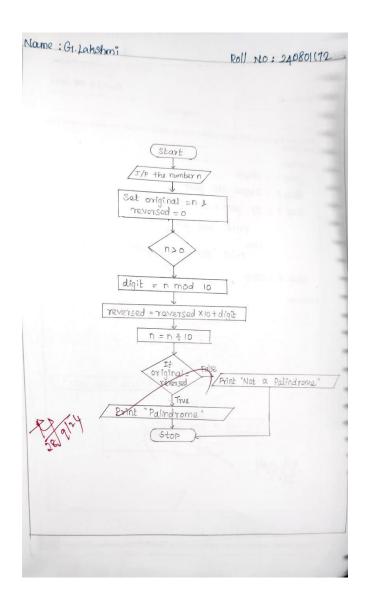
Print "Nam is Not prime"

Step 8: Step.









GE23131 - Programming Using C

Ex. No.: 6

Date: 28.09 , 2021

## 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: Input the number (n)

stop 3: Initialize sum = 0

Step 4: Repeat the following steps
while n is greater than o (n>0)

Stap 5: Extract the last digit of n:

digit = n %. 10

step 6 : Add the digits to sum:

sum = sum + digit

Step7: Remove the last digit from n:

n = n/10

step 8: Output the sum

step q: stop

Department of Computer Science and Engineering, Rajalakshmi Engineering College

