25191284

Experiment - I

Name Ananyo P ROUNO: 241401010

write an algorithm and drawa flowchart to fild the and and personetis of a square.

Algori Herm

Stepl: Start

Styp 2: Read &

Step3: Ana= lxl

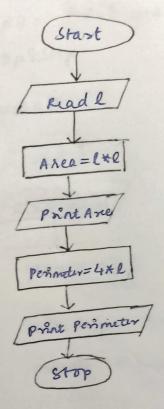
Step4: Print Area

Steps: Personeter = 4 x L

Step 6: Print Penneter

Step 7: Stop

Flowehart



write an algorithm and drown a flowchart to ionvert the days loto years and months.

Algorithm:

Step 1 . Start

step 2: Read days

step 3: Calculate the number of clays years - year = days

Step 4: Calculate the remaining days after calculating

years. Jem-days = days 0/0365.

Steps: Calculate the number of months - month = sim-days

Step 6: Calculatione rumber of days left - daysleft = rendaysolo 30.

Step 7: Polut year and monte and days left

Stop8:Stop

Flowchart.

grand days

year = days
365

rem-days = daysolo 365

month = mm-days
30

days left = rem-daysolo30

print year and month and days left /

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

Algorithm

Stepl: Start

Step 2: Take rum as input

Step 3: Instialize a variable temp to 0.

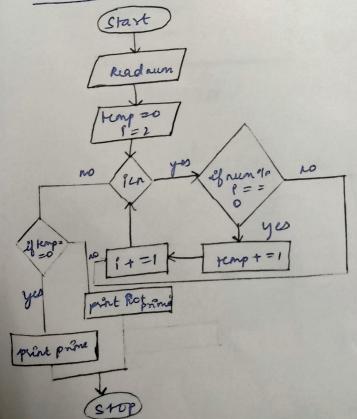
step 4: Iterate a 'for' loop from 2 to num.

Stys: It num is divisible by 2 loop literation, then, inverement temp.

Step 6: If the temp is equal to 0,
return 'rum is prime',
else, return' num is not prime',

Step 7: Stop

Flowchart:



Step 1: Stort Algorithm

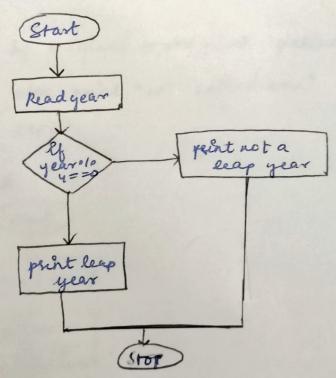
step 2: read year

Step3: If year olo4 = =0
print "Leap year"

Step 4: else print "not a leapyear"

SHPS: Stop

Flowchast



Name: Aranya P Koll NO: 241401010

Write oman Algor Hom to draw a flawchart to check whether the given number is palindrome or not.

Algorithm:

Stepl: Start

step2: Read on

SHP3: Inthalize: set original = n & rev=0

Step 4: while n >0

set digit = n modio

-apdate ouv = RX + X10 + digit:

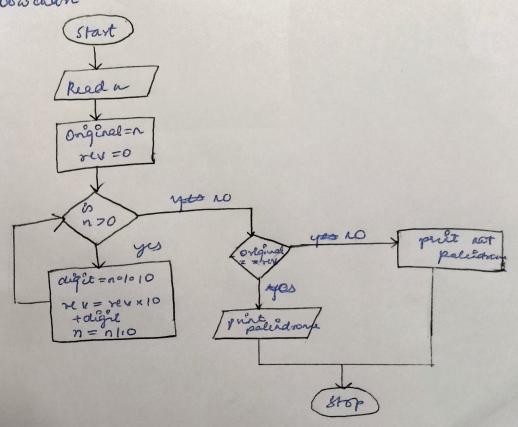
apdate n= n=10

Stops: If original = rev print 'palindrome'

Step 6: else print "not palindrome"

Stop 7: Stop

Flow chart



Experiment II

Name: Ananya. P

Roll No: 241401010

white an Algorithm and draw a flowchart to calculate the sum of dig Its of is the given number.

Algorithm

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Step 1: Start

Step 2: Read n

1to 3: Mitalize sum=0

Step 4: Repeat the following steps while a is greater than o

- Extract the last digit of n: digit = nolo10

- Add the degits to sum: Sum = sum + degit

- semove the last digit from n:= n=n/10

Steps: point sun

sup 6: end.

Plow chart

