Date: 26-09-24

#### Calculate Area and Perimeter

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

### Algorithm:

Stat 1: Start

Step 2: Input a as side

stop 3: A = a \* a

Step 4: Bunt 1 as ones of square

Step 5: B = 4 \* a

Stop 6: Print B as posimeters of square

Stehn: Steh

### Flowchart:

START TUPUT SIDE AREA = Jidor Sudo PERTHETER = 425 IDG

Paint AREA

P\_sint PERIMETER

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### Days to Year Conversion

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

### Algorithm:

Styl 1: stort

Step 2: injust lays

Step 3: Set year = 0

Sty 4: Set month = 0

Sth 5: While days > 365

Stop 6: Days = days - 365

Sty 7: YOUN = YOUN + 1

Stop 8: While days >30

Step 9: Days = days -30 Step 10: March = March +1

Flowchart.

START

LARD TOAYS

YEARS: Dearly 11365

Jean-days: days./ 365

Months: Jean-days./, 365

Green days: 2 green days./ 56

Pount yers, Trapth, som days

STOP

Date: 26-09-24

### **Prime Number**

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

### Algorithm:

Step 1: Street

Step 2: Injut Value\_N

Step 3: S1 = Value \_ N 1/2 S2 = Value N1/3

S3 = Value\_N 1.7

Stelly: If S\_=0 (pe) S\_2=0 (se) S\_3=0 L= point

Step 5: Else L = Composite

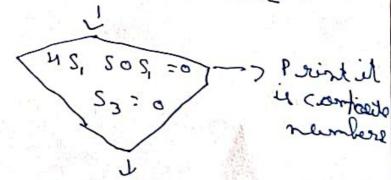
Step 6: Bunt L

Stell 7: Stell

### Flowchart:

INPOT VALUE N

S1 = VALUE = N / 2 52 = VE GE



De to tries 9

Date: 28-09-24

## Leap Year

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

# Algorithm:

Step 1: Stort

Step 2: Input y

Step 3: It y', 4 == 0 gs to step 4 else winty is not

lest years

Steh:

Flowchart:

START Original & Renerved: 0

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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: Street

Step 2: Input the number A

Step 3: Initialize 1:

set orginal = MX Herversed = 0

Step 4: While M >0

set light = 1 %10

whate suresed = survoyed x, of light

whate n=m+10

Flowchart: Steps: If soffind = Hellersed

forint "Pallintrame"

Step 6: else: point "not hallindrame"

Stol 7: Stoh

START seboillag ton

Date: 28-09-24

### Sum of Digits

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

Algorithm:

Stoot 1: Stoot

Step 2: I/P the number (M)

Step 3: Initialge sum = 0

Stop 4: Refeat the following stops while in is greater

them o. mso

- explored the last light At M!

Light = M 1.10

- All the ligits be sum!

Flowchart:

sum = sam + light.

- Remark the lest light framm:

M = M/10

Stops: alim the scum

Steh 6: End

