EXP NO:1

DATE: 4/10/24

write an Algorithm and Draw a Flowdhast to calculate the area and perimeter of a square.

Algorithm:

Step 1 - Start

Step 2 - Input Length (L)

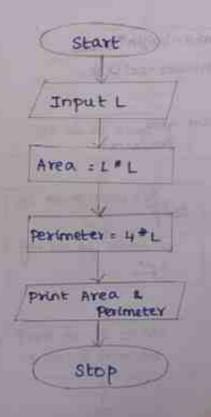
Step 3 - Area A = L*L

Step 4 - calculate perimeter p = 4*L

Step 5 - Print Area and perimeter

Step 6 - Stop

Flowchart:



ootput:

Area of Square is: 24
perimited
Area of the squares: 48

D ak July

EXP NO: 4 DATE: 4/10/24

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

Algorithm:

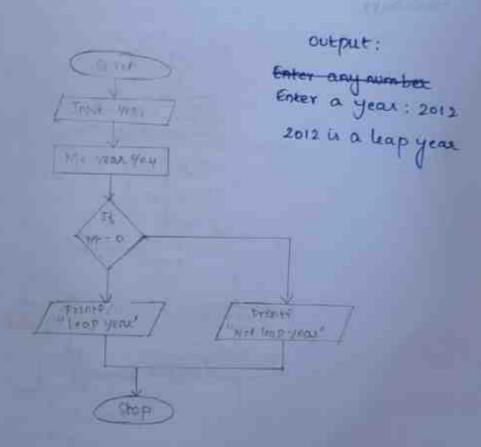
Step 1 - Start

Step 2 - Input year (M)

Step 3 - check if year % 4 == 0 then print It is leap your. Go to step 4

Stopy - Display it is not leap year. Steps - Stop

Flowchart



LATE: 4/10/24 EXPNO: 3 Write an Algorithm and draw a Flowchart to check the given number is prinne or Not. Algorithm: Step 1 -Stant Step 2 - Input Number INI- Prom the ones as a Step 3 - Initialize in an about whether zeed . otherwise go be Step4 - While iz = num/2 pisplay n - u not a prime number Steps -Set n = (2/2)+1, E=2 Stepb to step 10 14 KEN Otherwise go to stepa check 2% kto, otherwise go Display n is not a prime number, go to Step 9 - K= K+1, go to Step 6 Step 10 - display & is prime number Step 11 -Stant ootput; Enter the number: 25 9KH NE 25 is not a prime Number theen M X SCHIH TXXX)+ Prious no wyloyr a Stoff

K= K+1/

EXPNO: 2 DATE: 4/10/24 Write an Algorithm and draw a Flowchart to convert the given days into years & Months. Algorithm: Step 1- Start Step 2 - but the number of days from the user as Step 3 - To calculate the number of years; years : 2 365 To calculate % x to get remaining days Step 5 - To calculate the remaining days together numbers of months 1/6 x Step 6 - print number of years & number of months. Step 7 - Stop Flowchart: output : Enter the number of days: Start year! 1 Months:3 Days: 1 get no of days a get no of years = 365 get no . of months:

> Print no. of years & no. of months

> > Stop

Patrolan

exp No: 5 Write an Algerithm & drawa flowchart to check whether the great number is palindrome number or not.

Algorithm:

Steps - Get a number from the User as 2

Steps - Set 2:2 jvev = 0

Stepy - check whether x is not expend to o, otherwise

Steps - compute k = 2% 10

Steps - rev=rev*10+K Steps - Z= Z/10, go to4

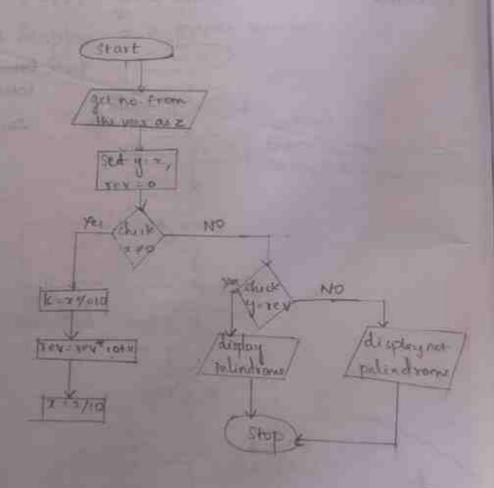
Step8 - check whether == rev, otherwise go to step10

Step9 - display given number is palindoome, go to step11

Step10 - display given number is not palindoome

Step10 - Stop

Flowchart:



Sample output:

xis palind rome

Rolling

Exp. No: 6

Write an algorithm and draw a flow chart to calculated the sum of digits in the given number.

Algorithm:

Step1 - Start

Step2 - Get the number from the user as x

Step3 - Set K=0

Step4 - check Whether X is not calculated to 0, go to step8

steps - compute y= 2%10

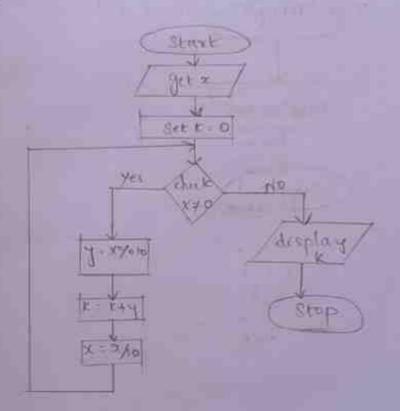
Steps - k= k+y

Steps - compute x = 2/10, go to step y

Steps - display k

Step 9 - Stop

Flowchart:



sample output

2=1234

Sum = 10

10/10/24