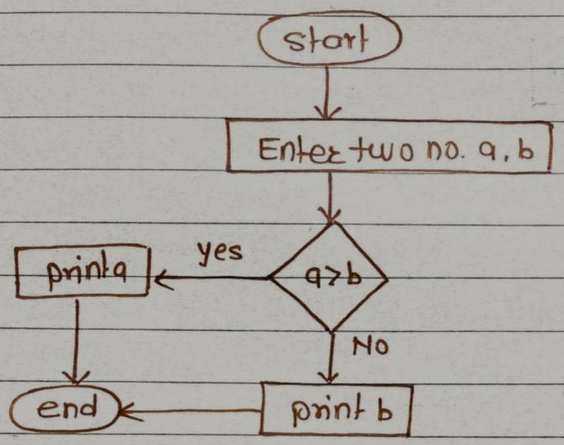
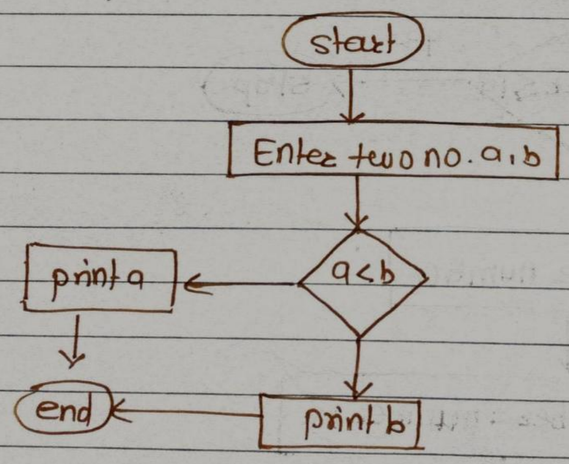
Assignment. 1

a] Check two numbers and print maximum of two numbers.



b] Check two numbers and mint minimum of two numbers.

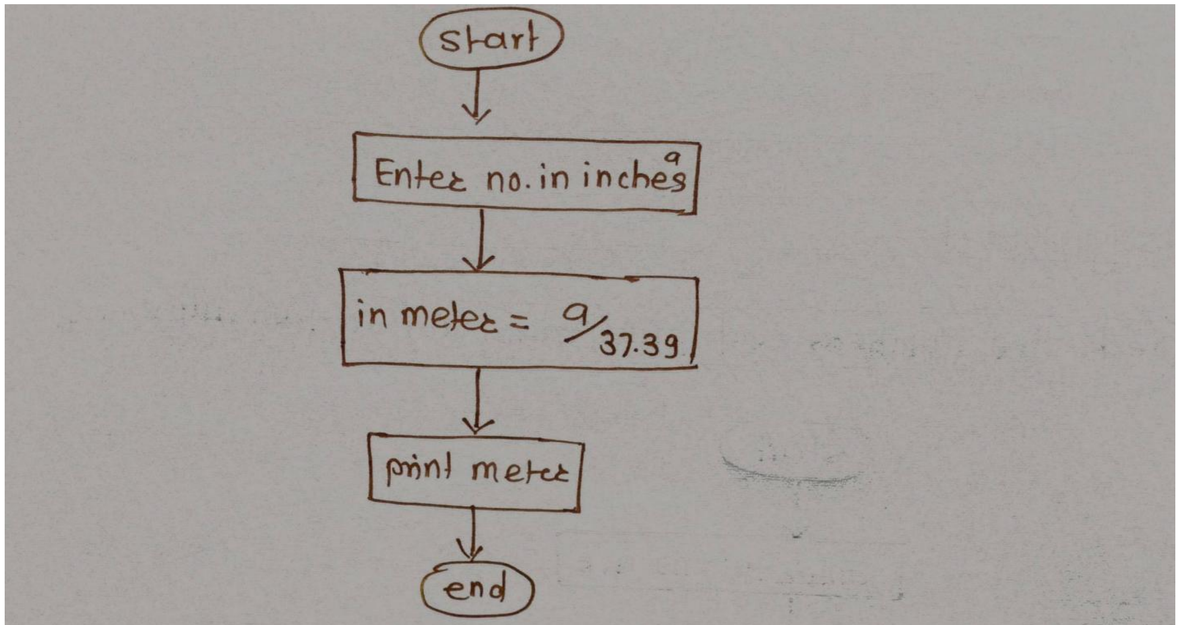


c] Reads a number in inches, convert it to meter.

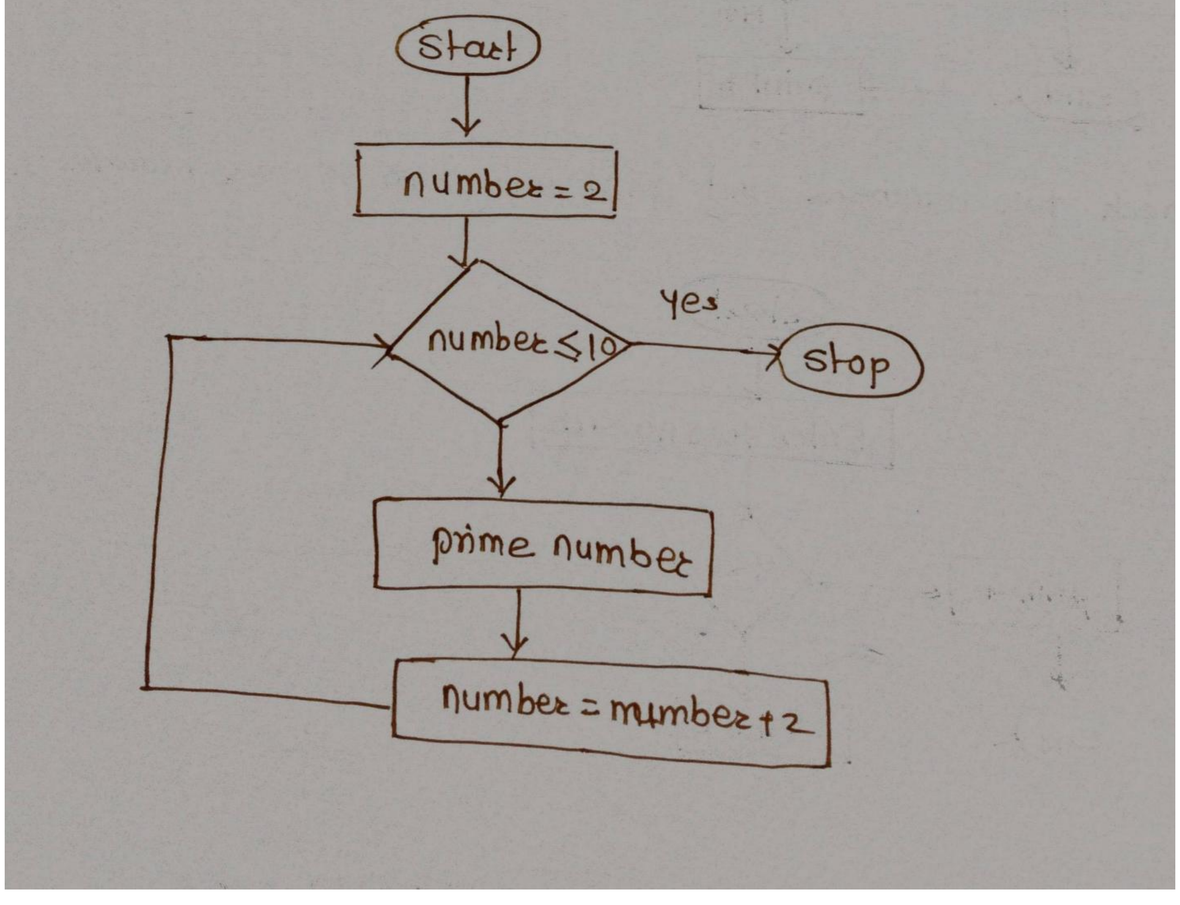
1 inch = 0.0254 m

1 inch = $\frac{1}{39.37}$ m

$\therefore$



d] Print 2, 4, 6, 8, 10.

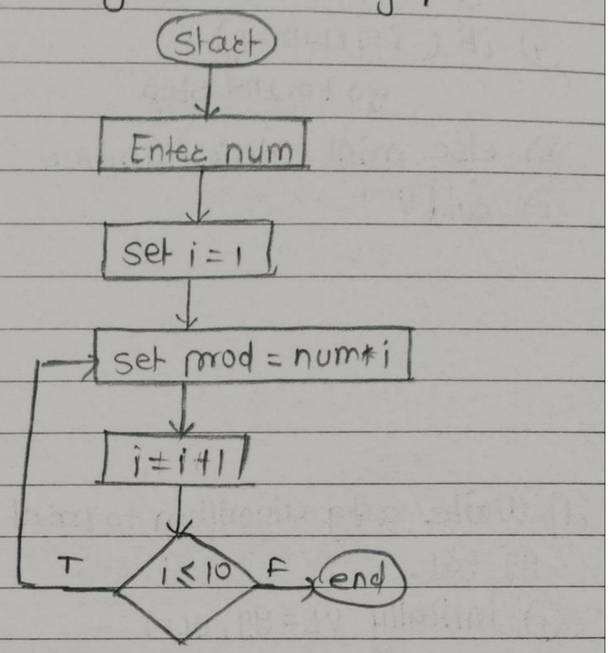


Date

Assignment No.2.

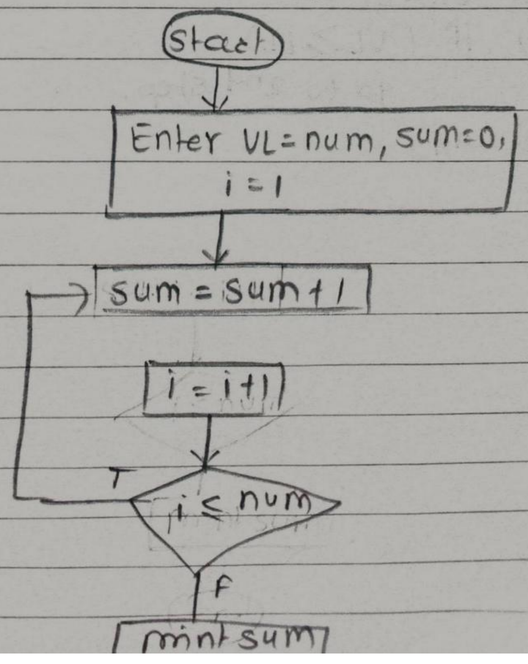
a] Write algorithm that print table of any number, e.g. 7

① Initially num, i=1, prod.
② prod = num * i
③ print prod.
④ i = i+1
⑤ if (i≤10)
go to 2nd step
⑥ end.



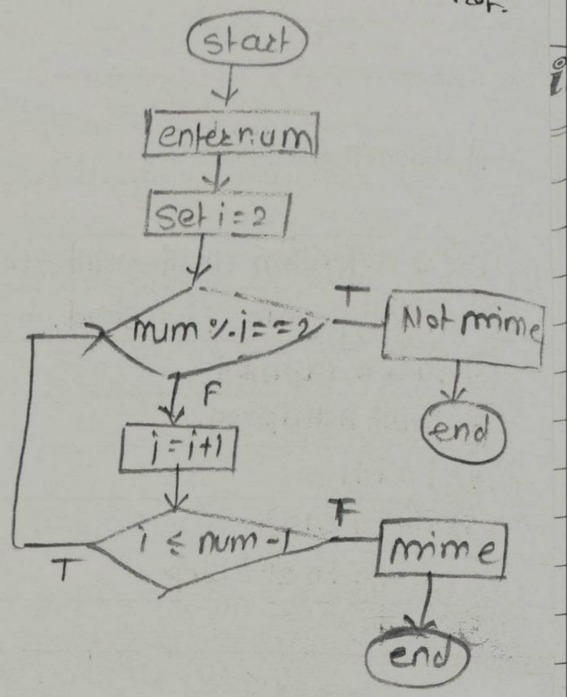
b] Write algorithm that print sum of N numbers.

① Initially VL=num, i=1, sum=0
② sum = sum+i
③ i = i+1
④ if(i ≤num)
go to 2nd step
⑤ print sum
⑥ end.



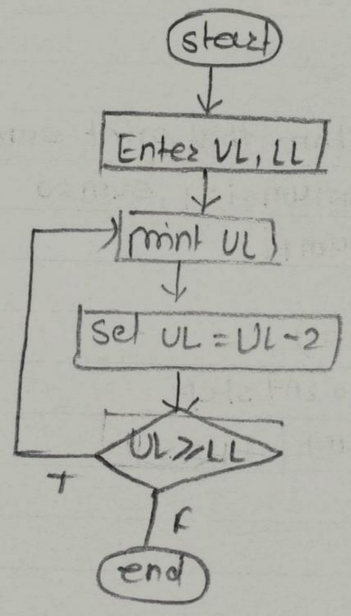
c] Write a algorithm to check the number is mime or not.

① Initially i=2, num
② if (num % i == 0)
    not prime
③ else
    i = i+1
④ if (i ≤ num-1)
    go to 2nd step
⑤ else mint mime number
⑥ end.



d] Write a alg algorithm to mint all odd numbers backward from gg to 1.

① Initially UL = gg, LL = 1
② mint UL
③ UL = UL - 2
④ if (UL ≥ LL)
    go to 2nd step.
⑤ end.



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Assignment 3

a] Check if a year is leap year or not.

① Initially year
② if (year % 4 == 0)
    print leap year
③ else
    print not leap year
④ end.

b] Write algorithm to print all odd number backward from 99 to 1.

① Initially UL = 99, LL = 1
② print UL
③ UL = UL - 2
④ if (UL >= LL)
    go to step 2
⑤ end.

c] Java program to calculate distance betn two point.

① Initially pt1 = x, pt2 = y
② Distance = y - x
③ print distance
④ end.

d] Write algorithm to print sum of even and odd digits, considering 10 numbers are taken from user.

① Initially, VL, i.
② IF (i % 2 == 0)
    sum = sum + i
    i++;
③ else
    sum1 = sum + i
④ If (i < num)
    go to 2nd step
⑤ end.

e] Print 1st x terms of the series 3N + 2 which are not multiples of 4

① Initially N
② int X = 3N + 2
  if (X % 2 ≠ 0)
    print X
③ else
    go to 2nd step.
  end.

d] Write a algorith to find compound interest, provided principal, time and ROI are taken by user,

1. Initially P, r, n, t,
2. $A = P\left(1 + \frac{r}{n}\right)^{nt}$
3. print A
4. end.