Q1. Check the given number is Even or ODD

Step1: Take input

Step2: take mod

mod = number % 2 == 0

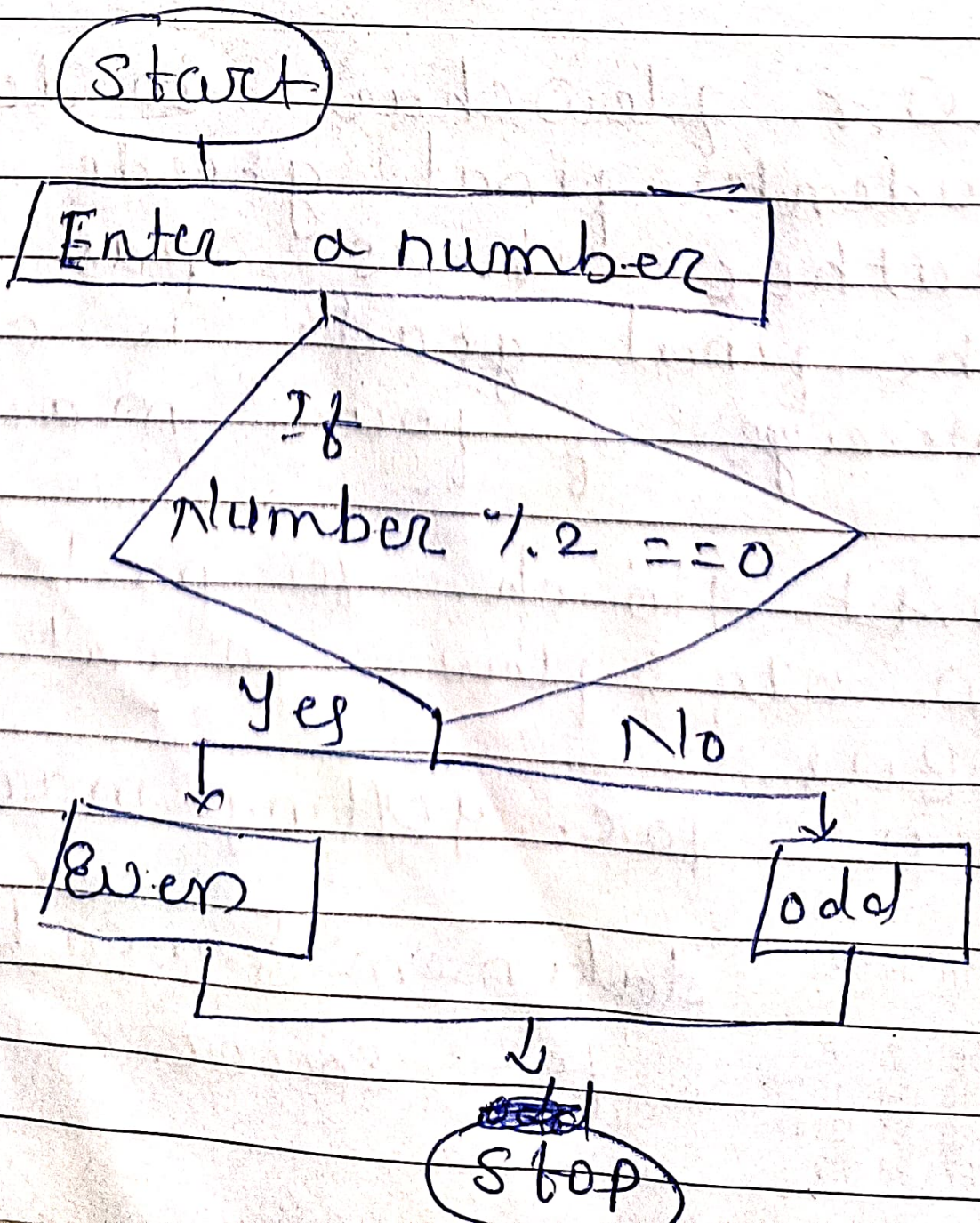
If mod == 0

print "Even"

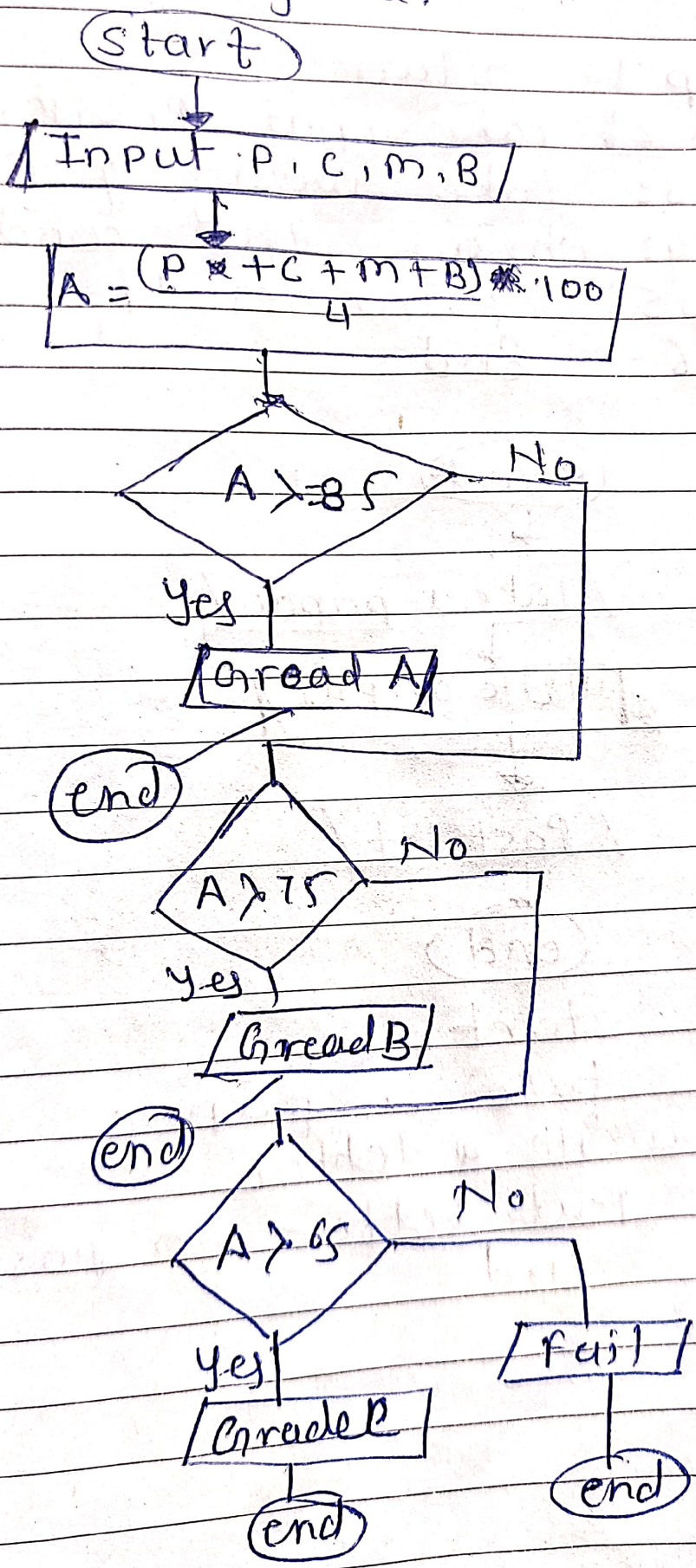
else

print "odd"

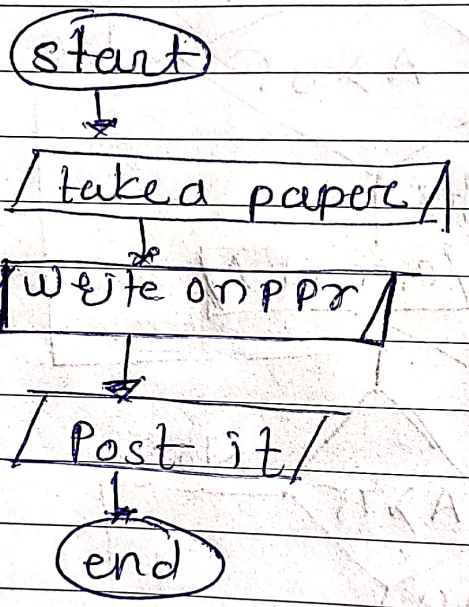
23 Sunday



Q w.r.t to finde grade.

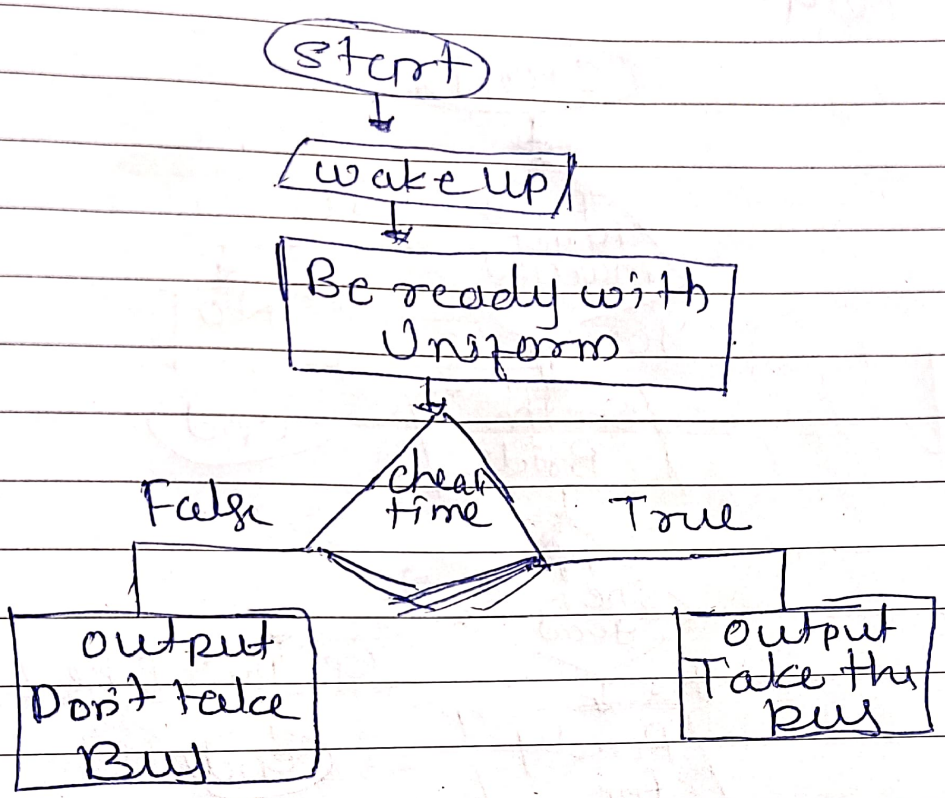


step 1: start
step 2: take input P, C, M, B.
step 3: take average of PCMB
step 4: check the condition
step 5) print result
step 6 - End



step 1: start
step 2: take a paper
step 3: write a letter
step 4: put letter on post office
step 5: end.

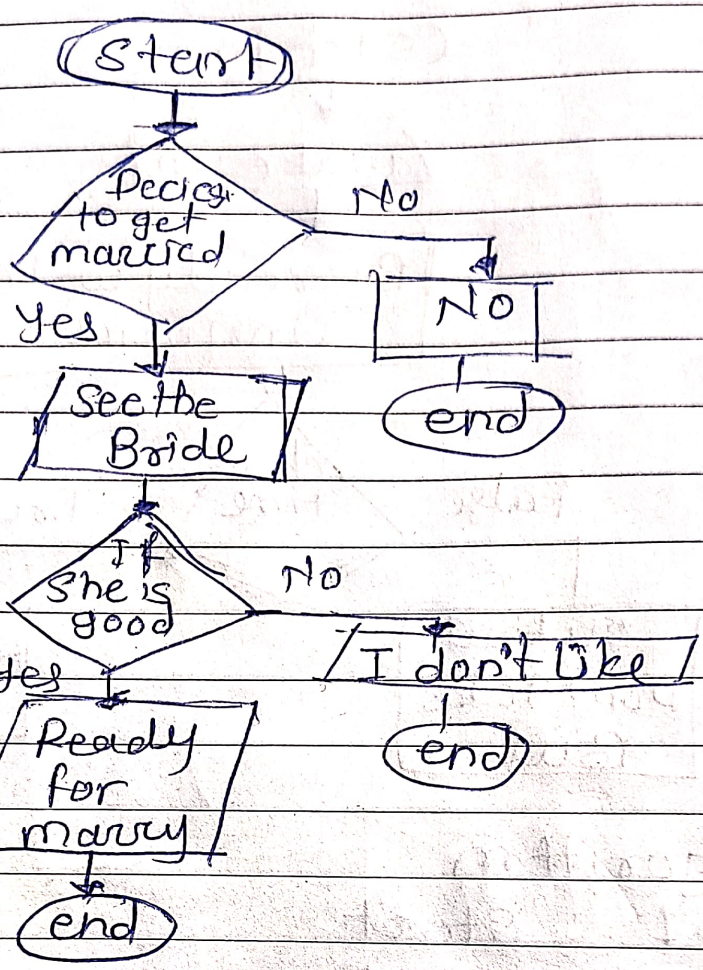
OS



Algorithm

Step 1: Start
Step 2: wake up early
Step 3: Ready with all your stuff
Step 4: cheack time of Bus which is arrived.
Step 5: Output
Step 6: end.

Q4.



Algorithm

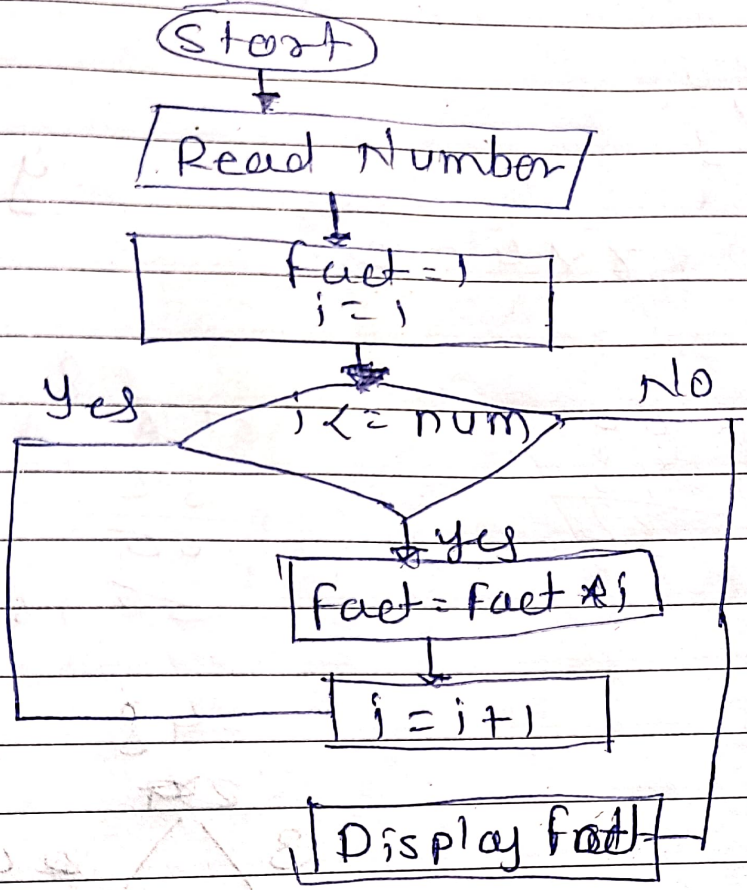
Step1: Start

Step2: if married is decision == True
print 'yes'
else print 'NO'

step3: if Bride == good
Print "Ready for marriage"
else
I don't want marry.

step 4 end.

Q Factorial



Algorithm

Step 1: Take input

Step 2: declare fact = 1 & i = 1

Step 3: check the number is greater than equal to 1

Step 4. Output

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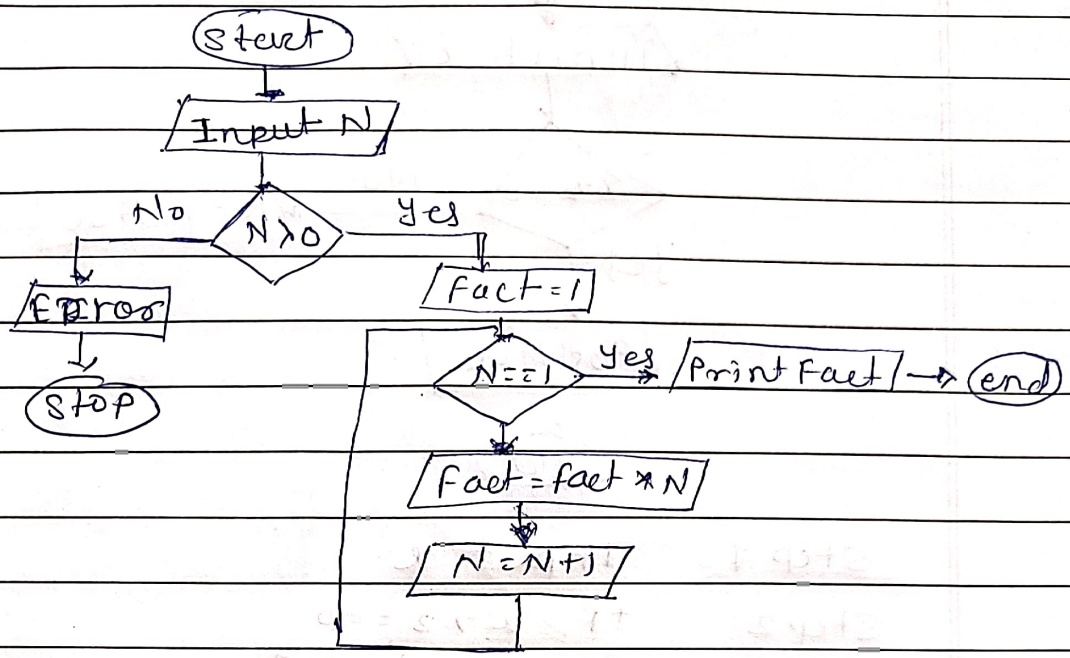
Q) find the factorial of a number using recursion.



algorithm

Step 1: Start

Step 2: Read number n; step 3 call Funct(n)

Step 4: Print Factorial R

Step 5: Stop

Funct(n)

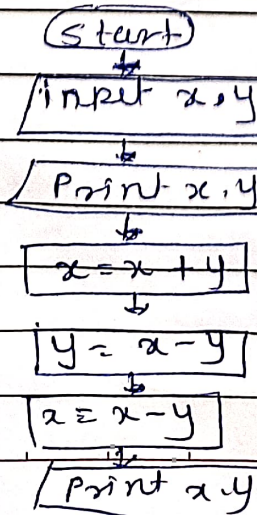
Step1: IF n==1 then return 1

Step2 - Else

f = n * factorial (n-1)

Step3 : Return f-

Q Swap two number without using third variable



step 1: Start

Step 2: Enter x,y

Step 3: print x,y

Step 4: x = x+y

Step 5: y = x-y

Step 6: x = x-y

Step 7: Print x,y

Step 8: End.

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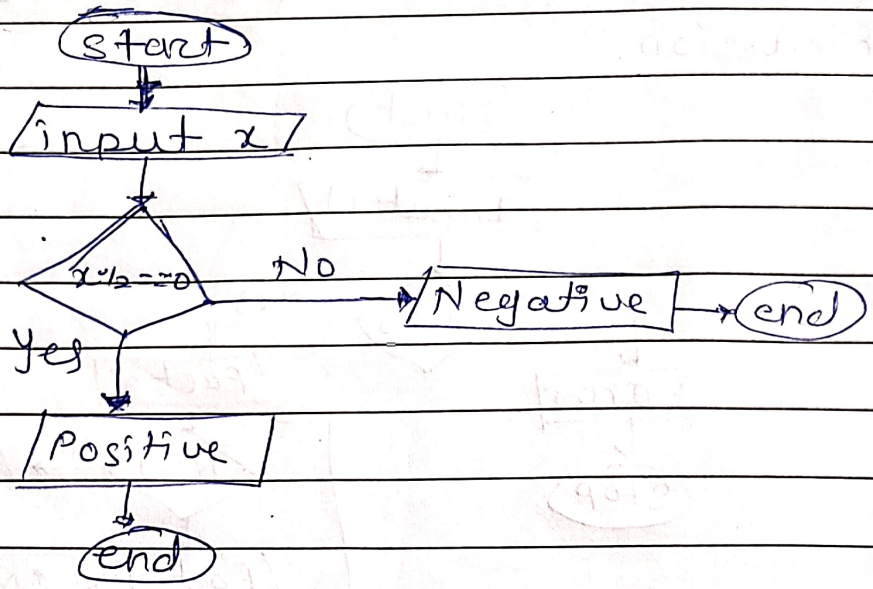
Q5 How to check given number is positive or negative

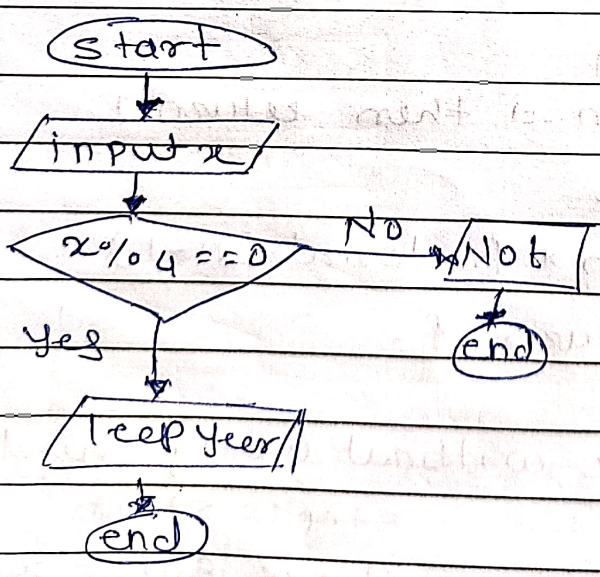


Step 1: Input x

Step 2: If x%.2 == 0
Print "+ve"
Else
print -ve

Step3 : end

Q6. Find whether ~~a~~ given number is leap or not



Algo.

Step 1. Input x

Step 2: If x%.4 == 0
Print "leap"
Else
Print "Not"

Step 3: end.

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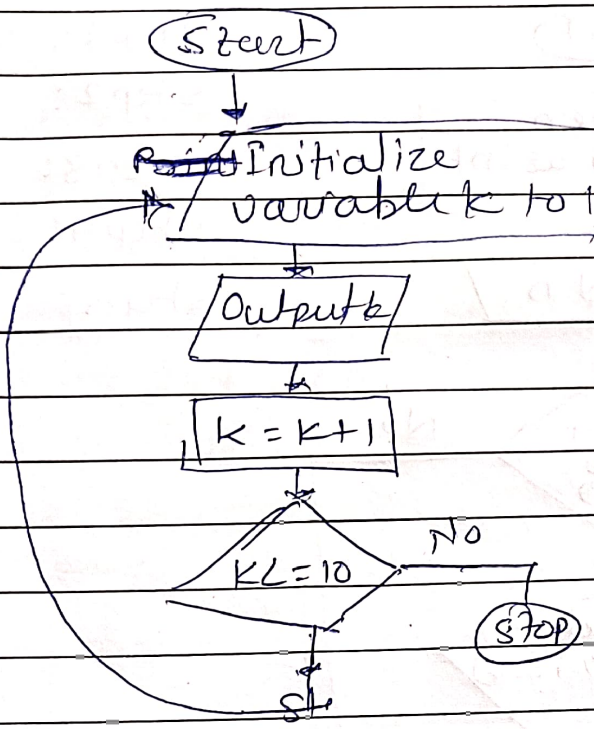
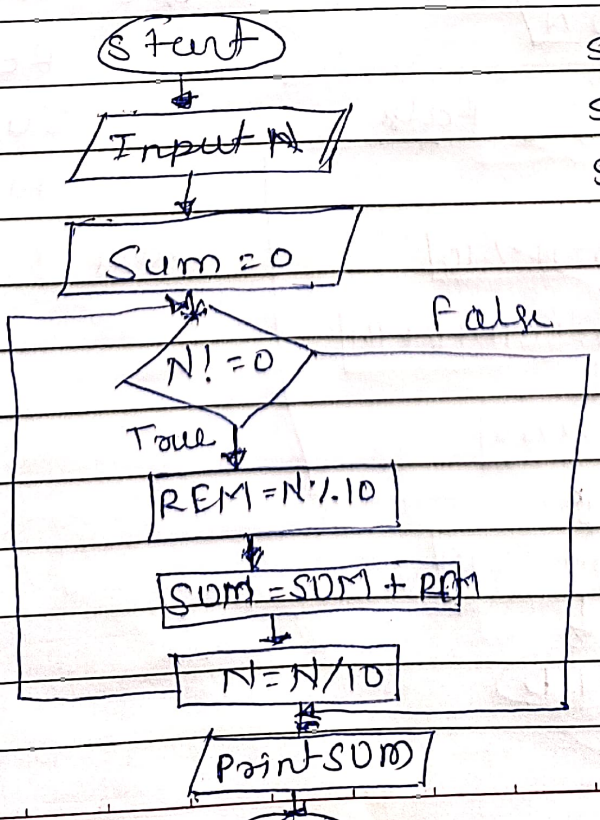
Q7)



Step 1: Start
Step 2: Initialize k to 1
Step 3: Output k
Step 4: Increament k by 1
$k = k + 1$
Step 5: stop.

Q8.



Algorithm
Step 1: INPUT N
Step 2: SUM = 0
Step 3: while (N! = 0)
Rem = N % 10
Sum = Sum + Re
N = N / 10;
Step 4: Print Sum.

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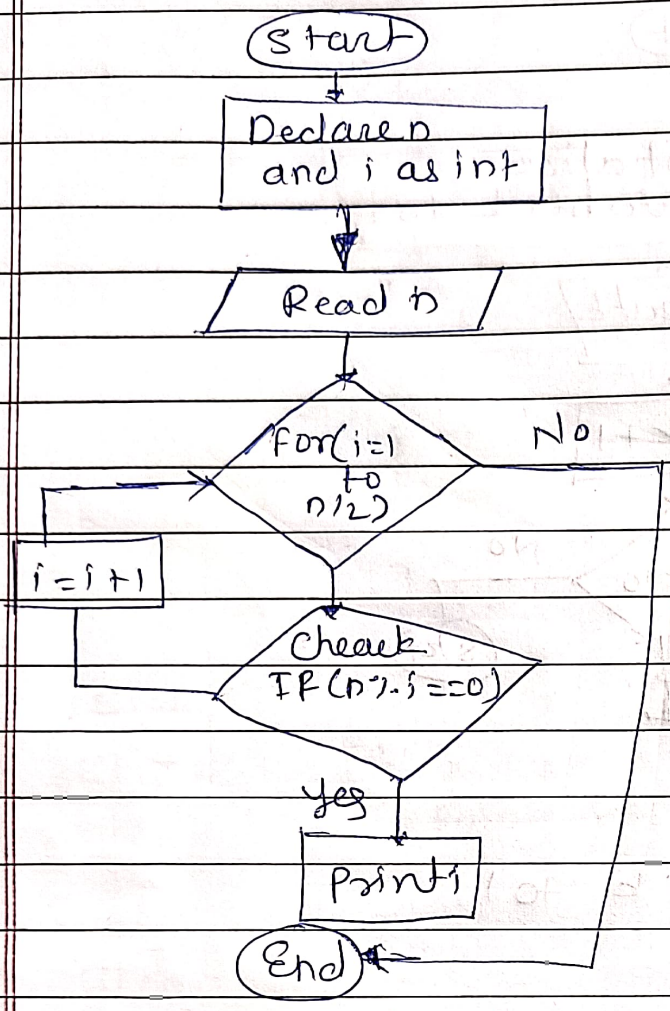
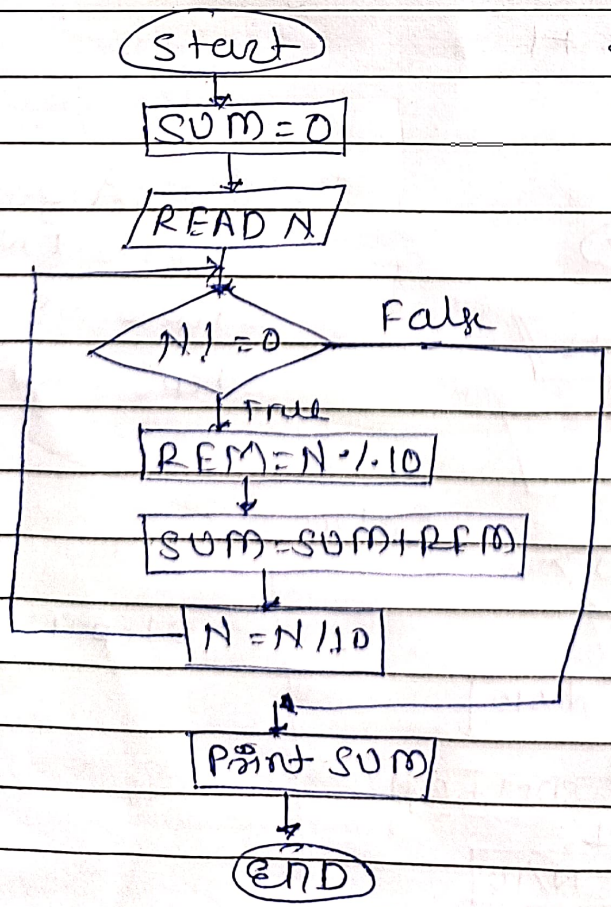
Q9.



Step 1: variable n & i
step 2: Input n
step 3: for i=1 to n/2
step 4: check (n%.i==0)
step 5: Print i

Q10



Step 1: Input N
Step 2: Sum = 0
Step 3: while (N!=0)
Rem = N%.10;
Sum = Sum + Rem
N = N/10
Step 4: Print Sum

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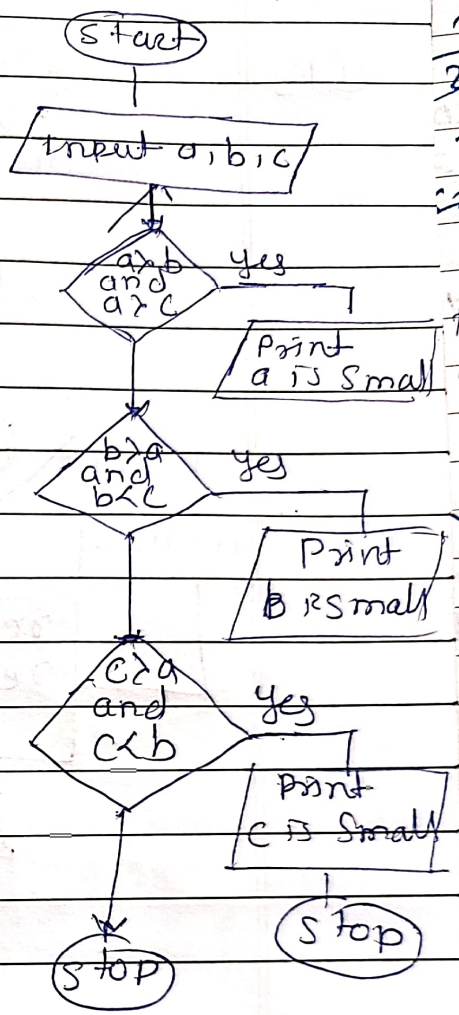
Q 11.

Step 1: Start

Step 2: Read three num.
a, b, c

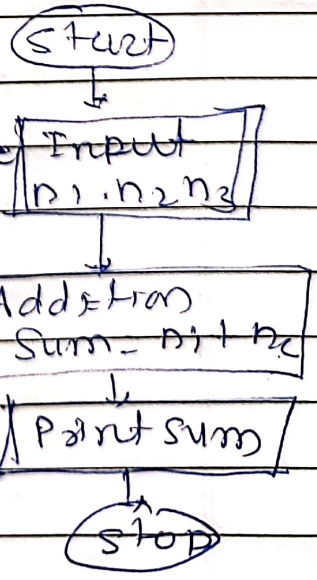
Step 3: IF a > b and a < c
then display "a is small"
IF b < a and b < c
then "b is small"
IF c < a and c < b
then "c is smallest"

Step 4: Stop.



Q 12

Step 1: Start
Step 2: Input n_1, n_2, n_3
Step 3: Add n_1 and n_2
Step 4: Display Sum
Step 5: Stop



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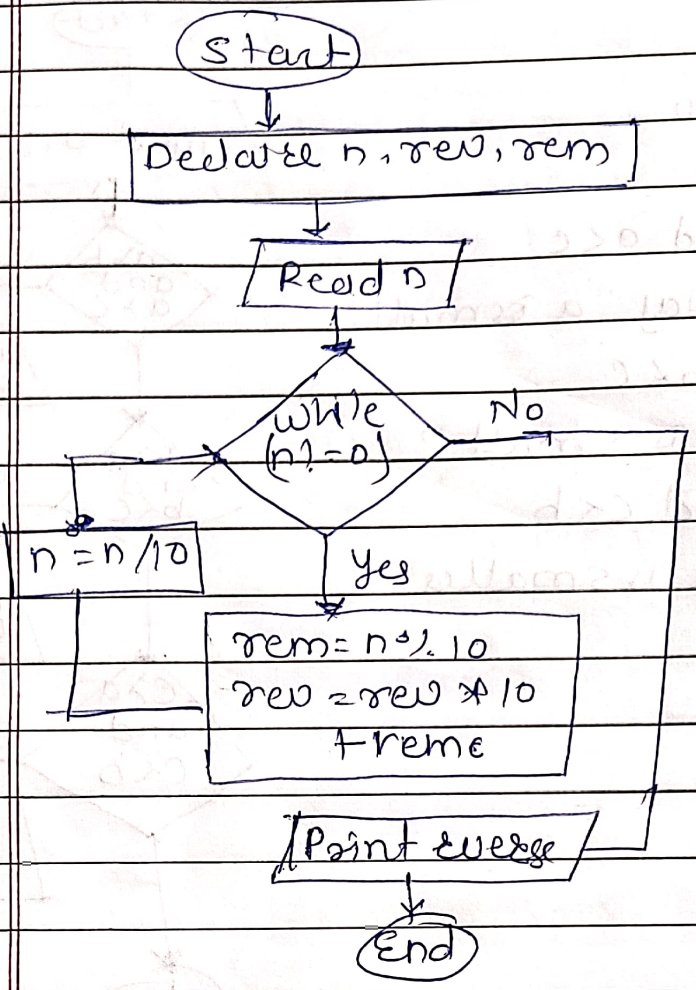
Q13



algorithm

Step 1: Declare n, rev, rem

Step 2: Take input

Step 3: while n not equal 0

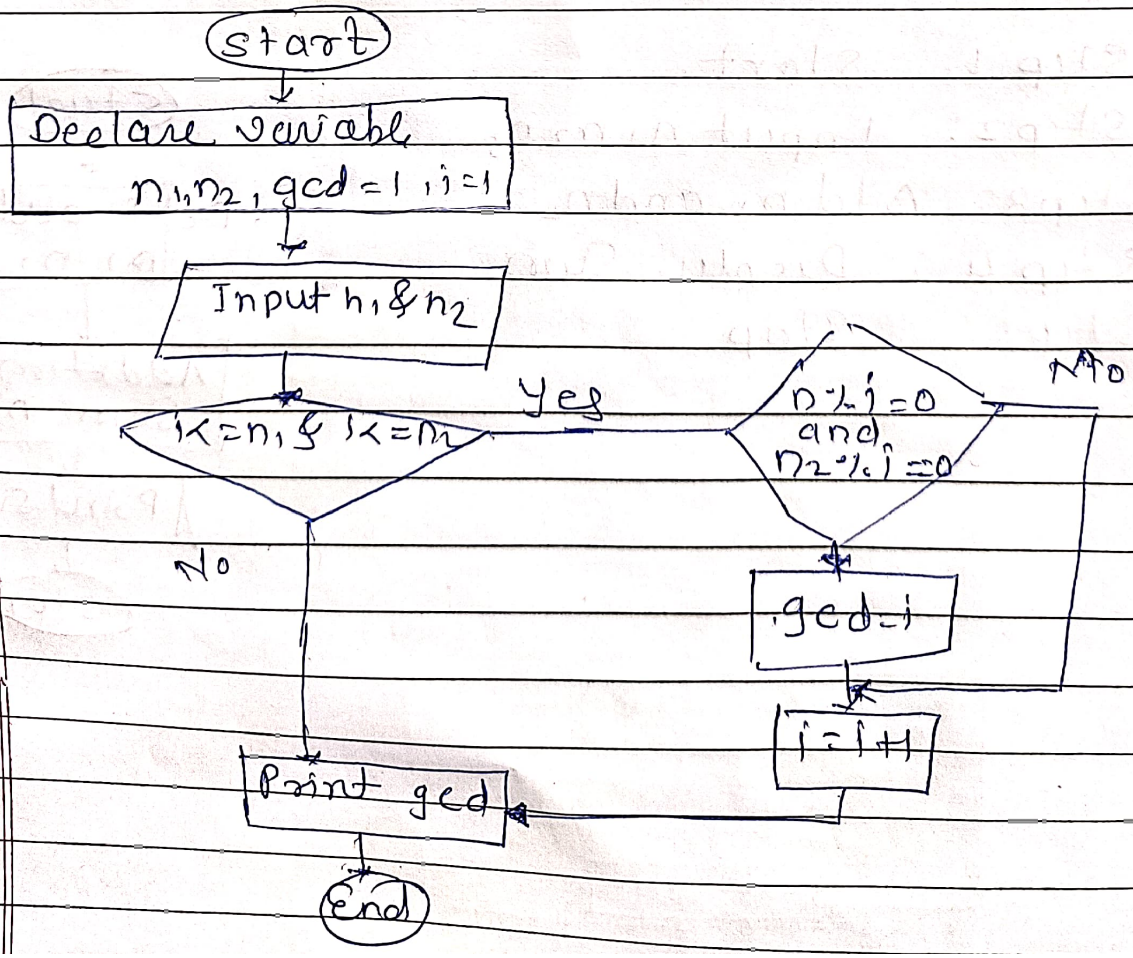
rem = n%10

rev = rev*10 + rem

n = n/10

Step 4: Print reverse

Q14.



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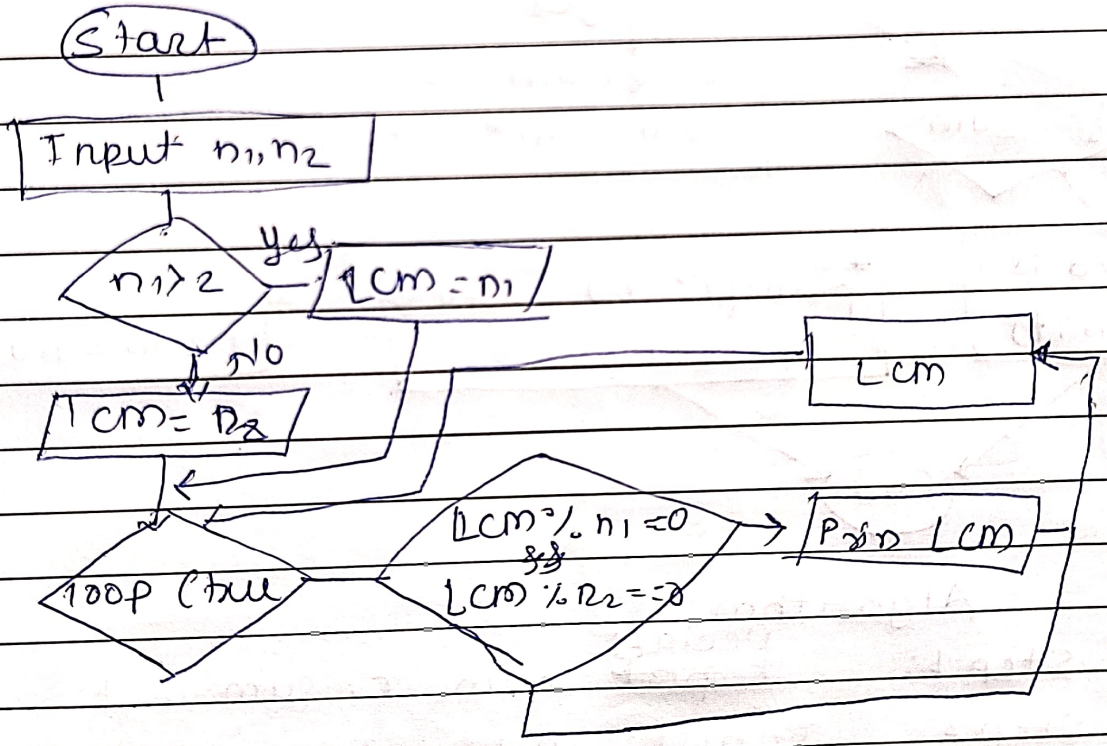
Step1 Start
Step2: Declare vari n_1, n_2, gcd = 1, i = 1
Step3: Input n_1 & n_2
Step4 Repeat i <= n1 and i <= n_2
If $n_1 \% i == 0$ && $n_2 \% i == 0$
gcd = i
Step5 Print gcd
Step6. stop

Ans



Algorithm
Step 1:- number n_1, n_2, LCM
Step2: Input n_1, n_2
Step3: LCM = ($n_1 > n_2$) ? n_1 : n_2
Step4: while true
if (LCM % n1 == 0 and LCM % n2 == 0)
Print LCM
++LCM
Step5: Stop

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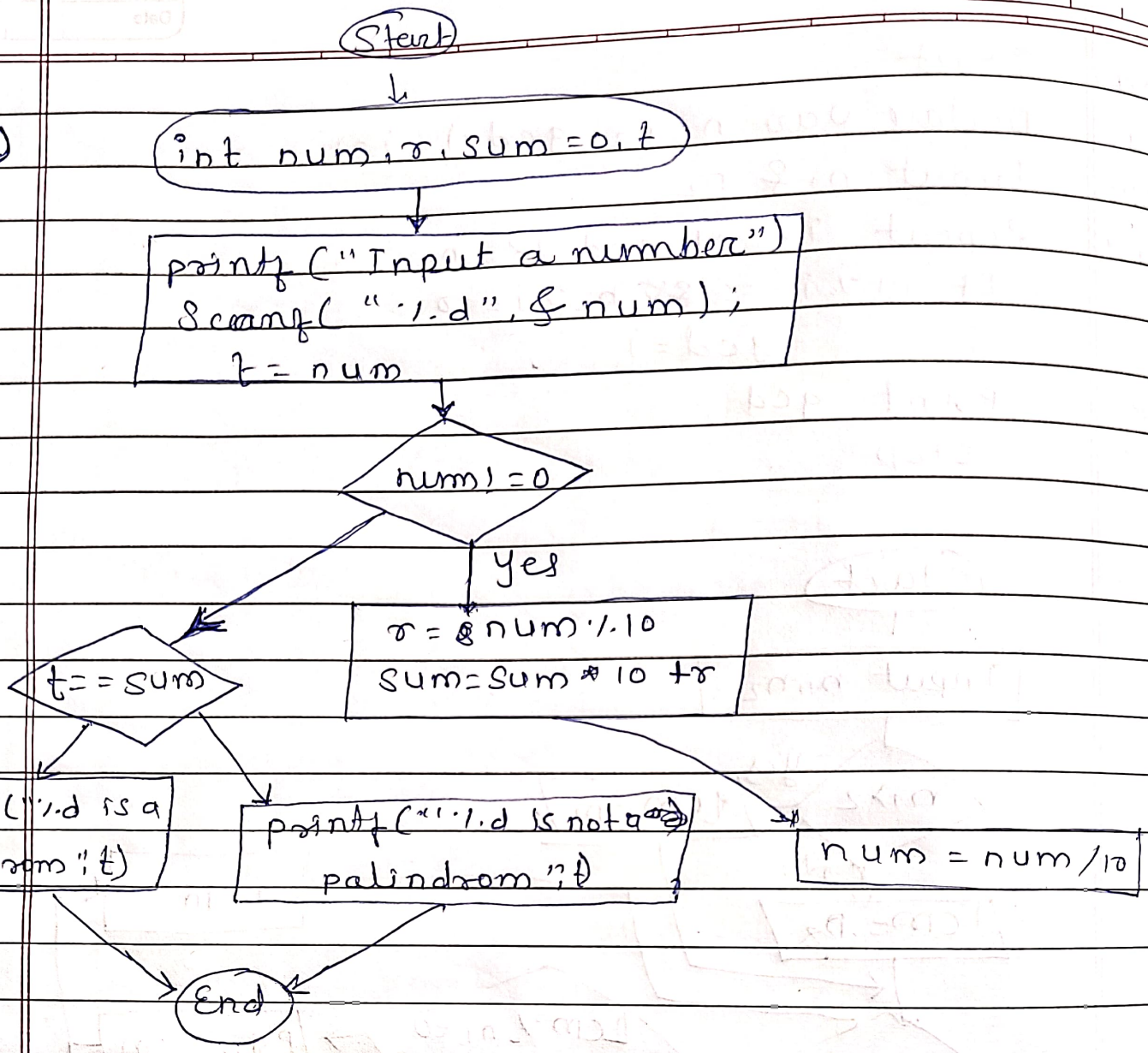
16)



Algorithm

Step 1: ~~Input~~ Declare num, r, sum=0, t.

Step 2: Input num

Step 3: Store value of num to t.

Step 4: If num > 0

r = num %10

sum = sum * 10 + r

num = num/10.

Step 5: If t is equal to sum

Print palindrome

Else

Print not palindrome

Step 6: Stop.

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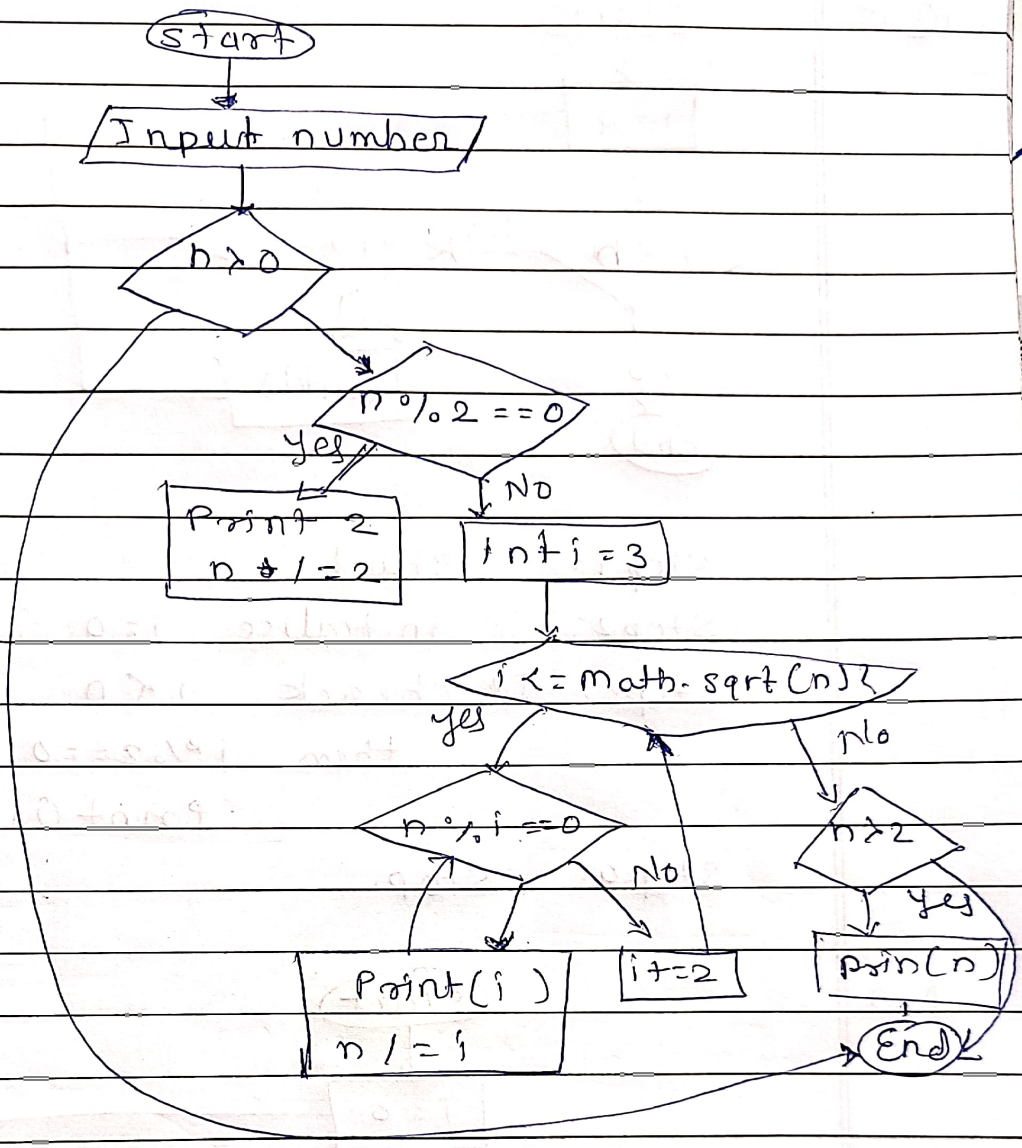
Q (8)



Algorithm

Step 1: Input number

Step 2: check $n > 0$

Step 3: If check modulus is equal to zero
then Print 2

ELSE
assign int i = 3

Step 4: check i smaller that equal to
math.sqrt(n)

Step 5: Check n %. i == 0
then print(i)
n /= i
Else
i+=2

Step 6: Stop.

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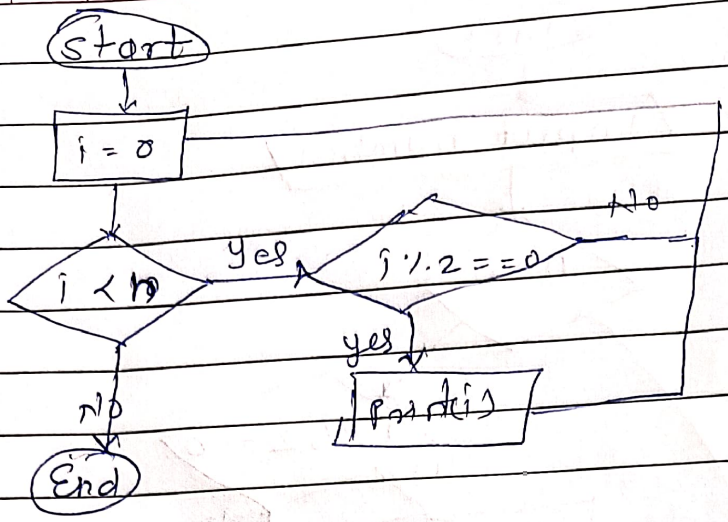
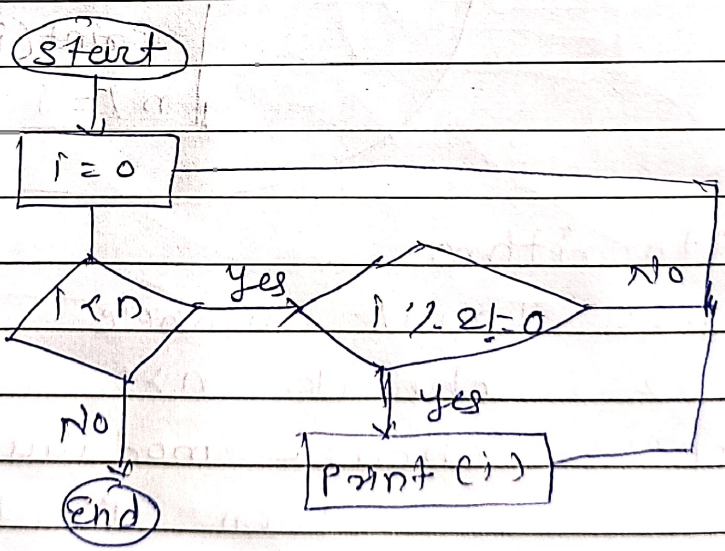
Q.19



Step 1: start
Step 2: initialise i = 0
Step 3: IF cheeck i < n
then i%.2 == 0
print (i)
Step 4: stop.

Ans.



Algorithm
step 1: start
step 2: intialize i = 0
step 3: IF cheeck i < n
then i %. 2 != 0
print (i)
step 4: stop.