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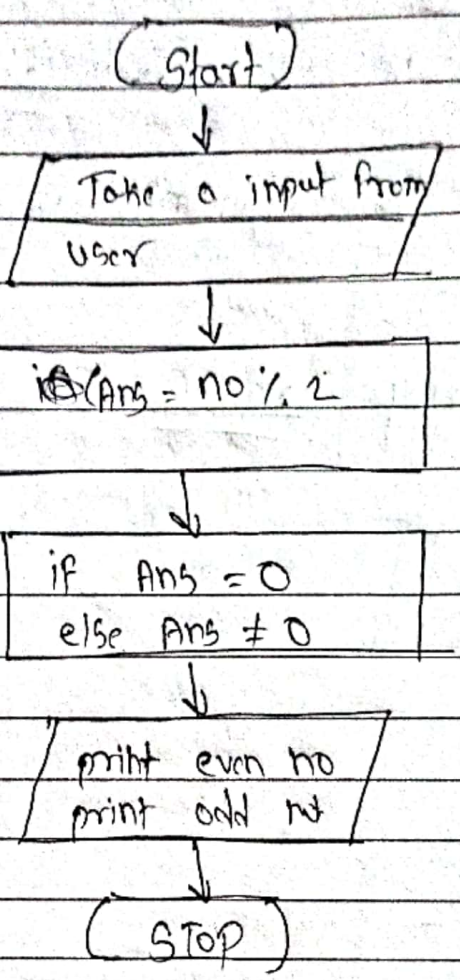
Assignment No 1

Q1 →

Even & odd no.

Flowchart :



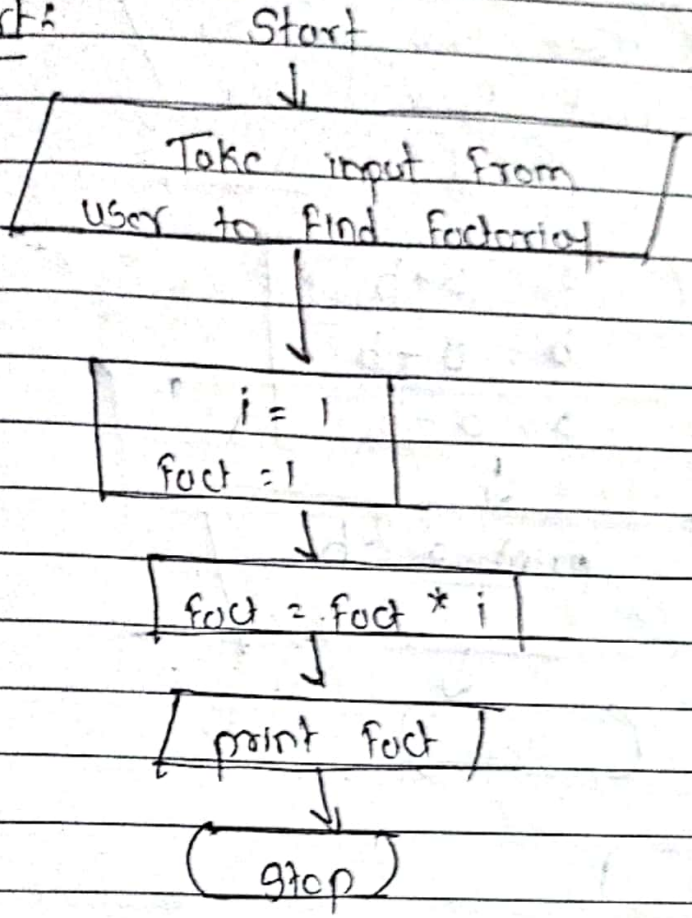
Algorithm :

Step 1 → Start the program
Step 2 → Take a input from user.
Step 3 → Ans = input % 2
if (Ans = 0)
else(Ans ≠ 0)
Step 4 → print event if not
then print odd.
Step 5 → End.

Q2

→ Factorial

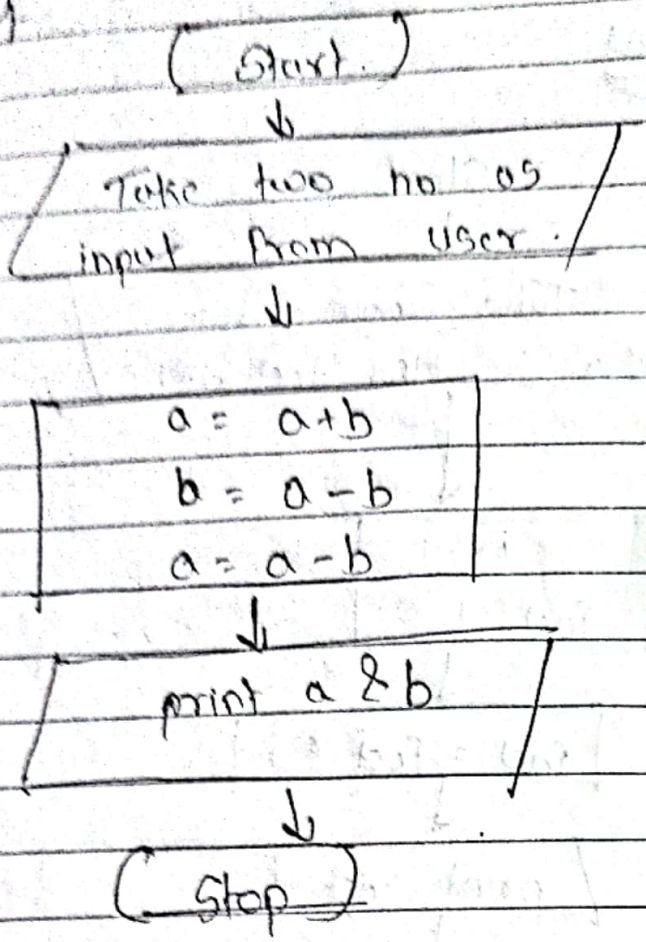
Flowchart:



Algorithm:

Step 1 → Start the program
Step 2 → Take a input from the user.
Step 3 → multiply each digit & update final value.
Step 4 → Find end value.
Step 5 → End

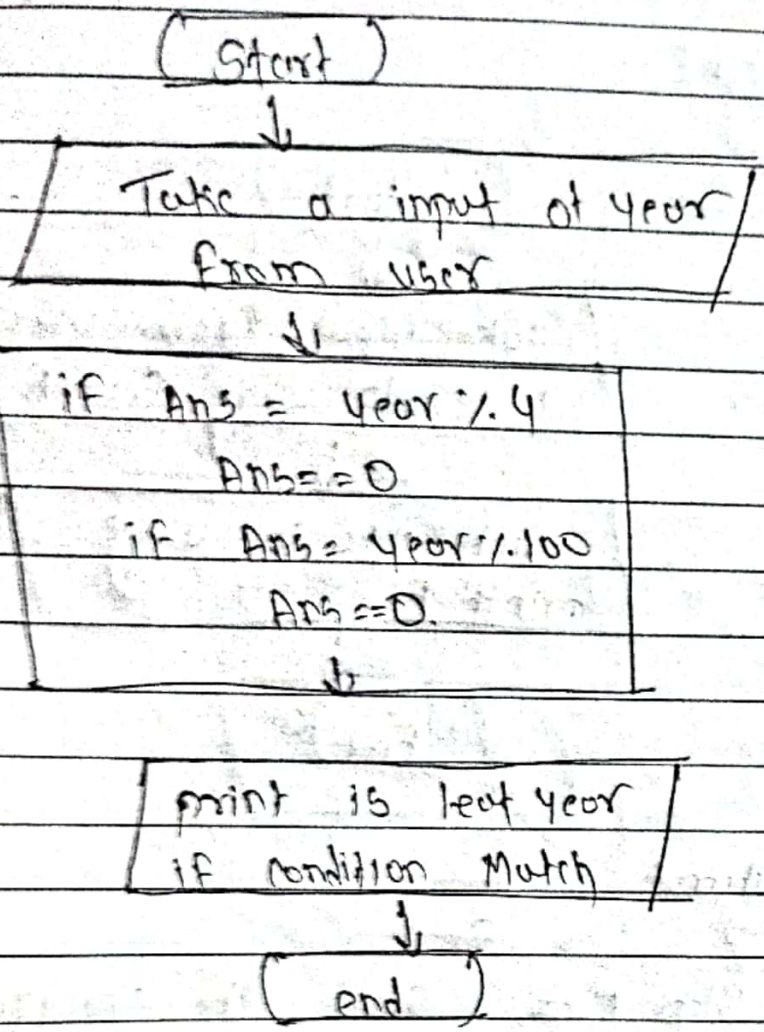
Q1 Swapping Number



Algorithem

=> Step 1 -> Start the program.
Step 2 -> Take a input from user two no.
Step 3 -> add two no on step 1
a = a+b
and b = a-b
a = a-b
Step 4 -> Stop

Flowchart :



Algorithm :

Step 1 → Start the program

Step 2 → Take input from user as a year.

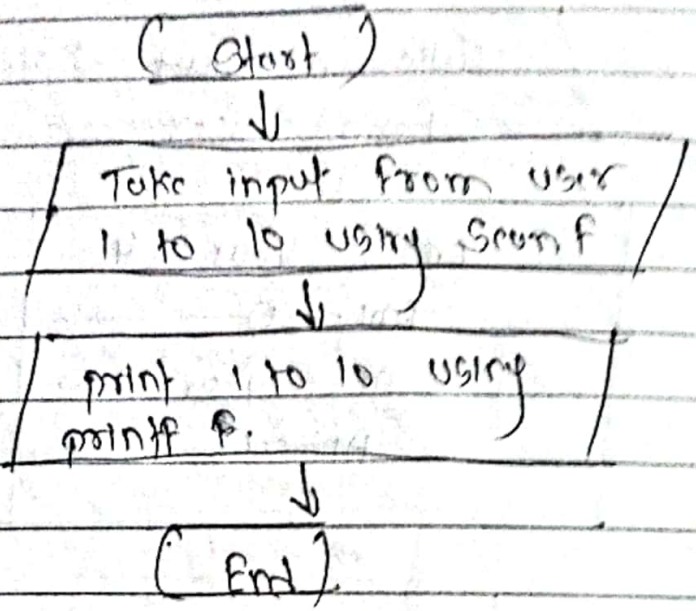
Step 3 → check the condition if year %. 4 & year % 100 remindr '0'

Step 4 → print it leap year otherwise not leap year.

Step 5 → stop

2) print 1 to 10

Flowchart :

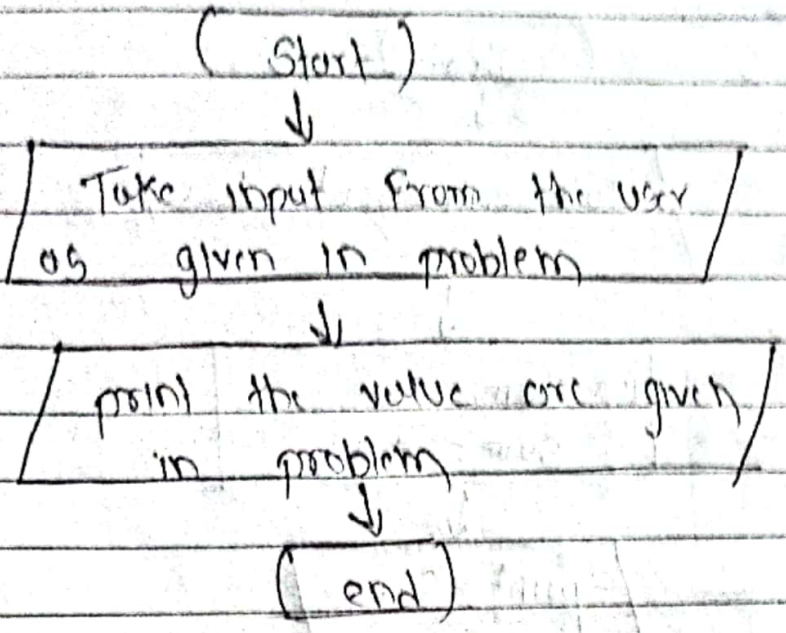


Algorithm :

Step 1 → Start the program
Step 2 → Scan the input from user 1 to 10.
Step 3 → printf() print the value from 1 to 10 time.
Step 4 → Stop.

8) print digit :

Flow chart :

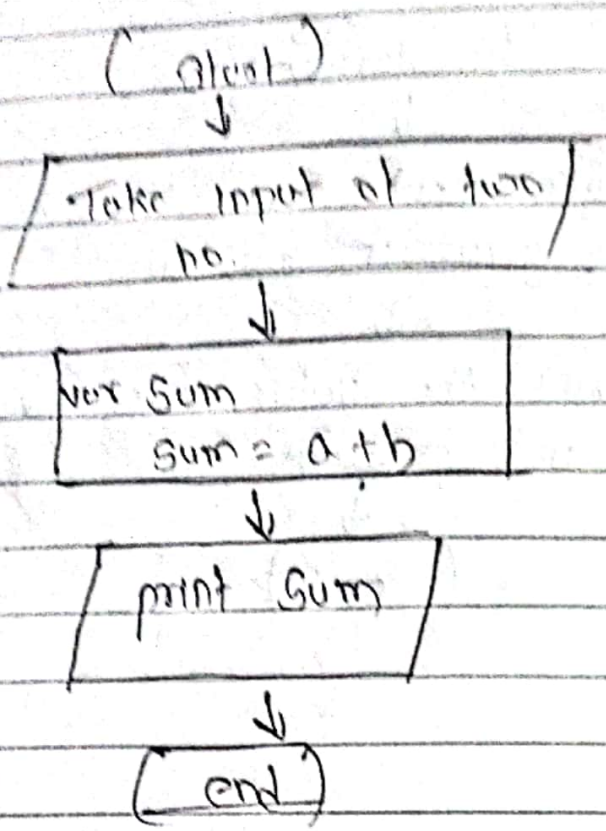


Algorithm :

Step 1 → Start the program.
Step 2 → put the digit which is given in the problem as input.
Step 3 → print the digit are given
Step 4 → Stop.

1st addition

Flowchart :

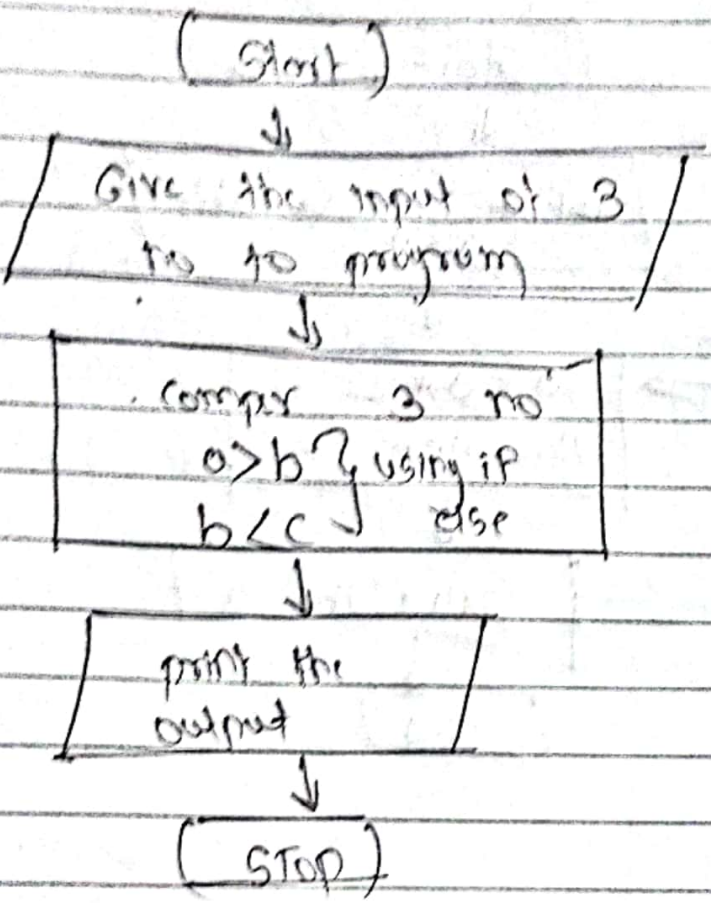


Algorithm :

Step 1 : Start the program
Step 2 : Take the input of two no from user.
Step 3 : Intilize third variable which store the Sum = a+b
Step 4 : print the Sum
Step 5 : End.

11 Smallest no.

Flowchart :

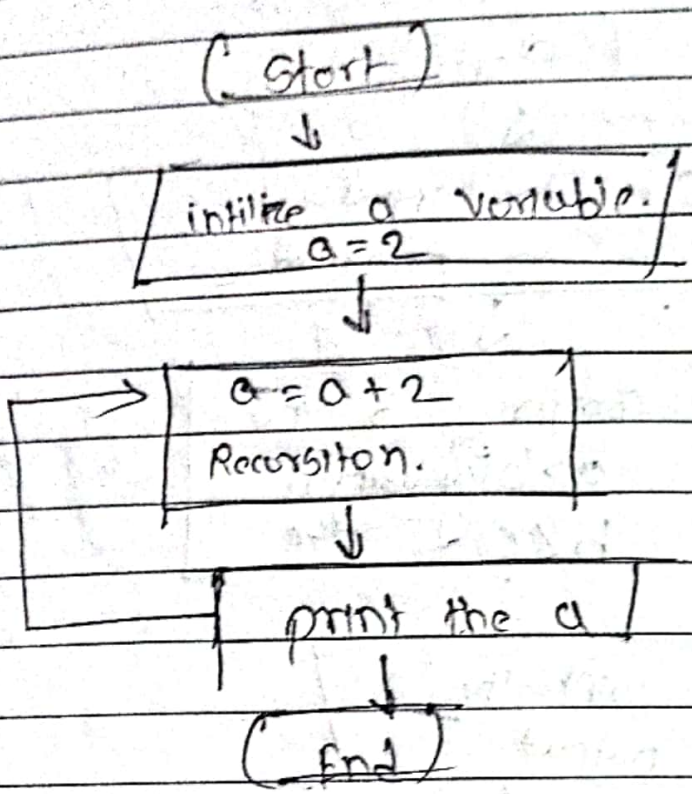


Algorithm :

Step 1 : Start the prooyrum
Step 2 : Take a input from user or given
Step 3 : Compar 3 no to each other
Step 4 : print the output
Step 5 : Stop.

19) Even no Series.

Flowchart:

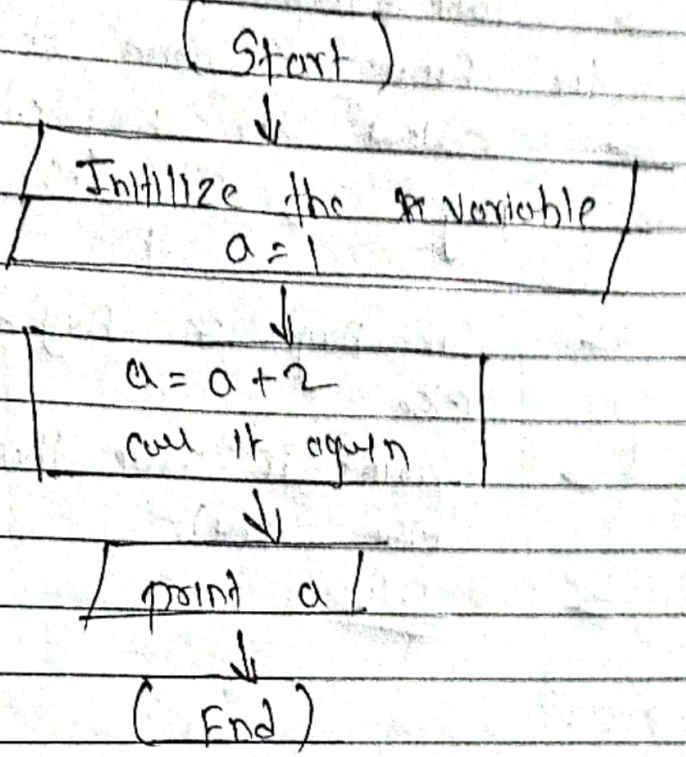


Algorithem:

Step 1 : Start the program.
Step 2 : intilize the variable. a = 2
Step 3 : a = a+2 and repeat this process
Step 4 : print the number
Step 5 : STOP

20) Odd no.

Flowchart :-



Algorithem :-

Step 1 :- Start the program
Step 2 :- initilize variab a = 1
Step 3 :- a = a + 2 and call it again & again
Step 4 :- print no.
Step 5 :- STOP.

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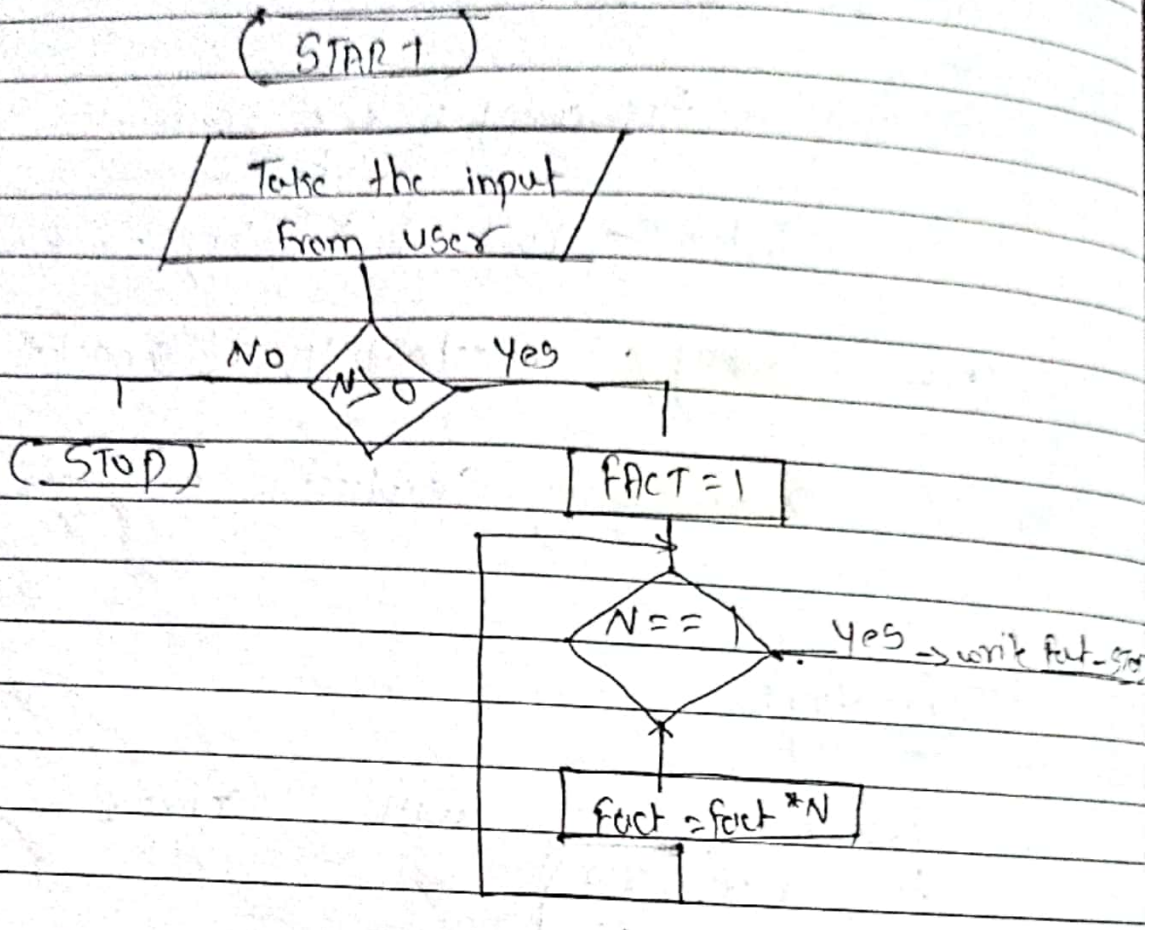
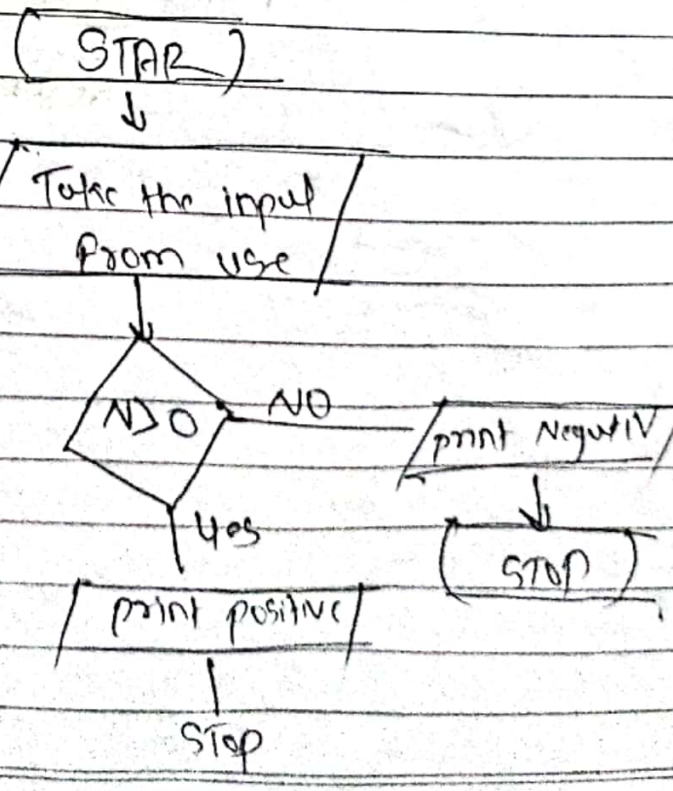
(3) Recurtion :



(5) positive Negative.



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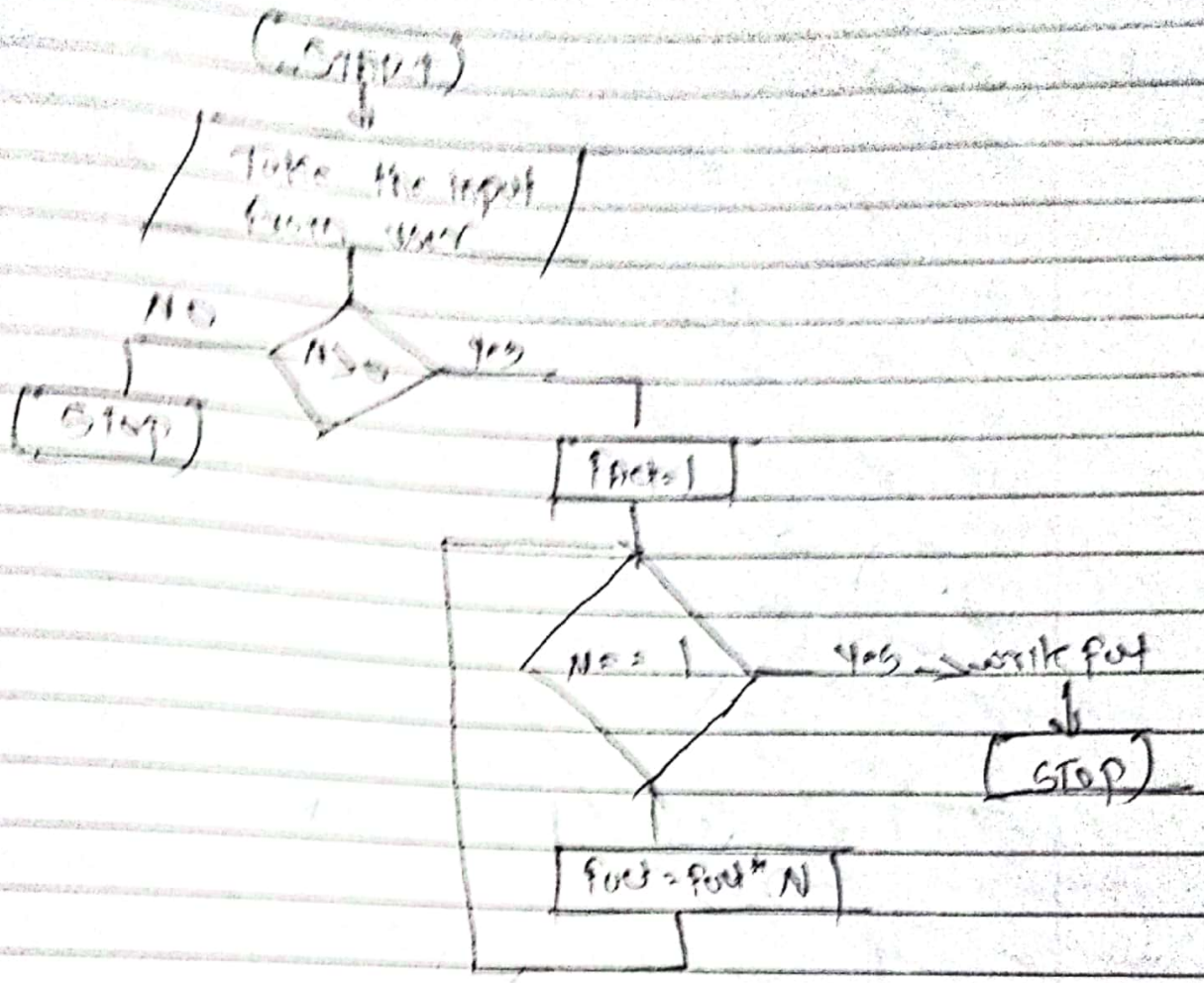
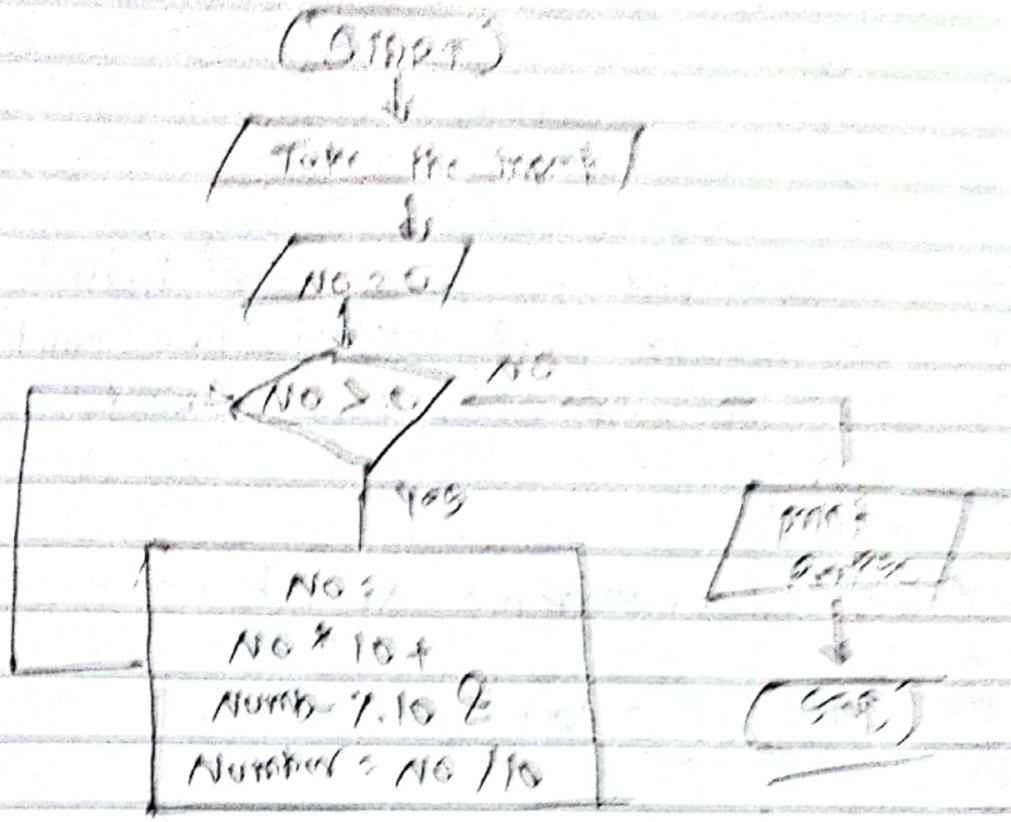
11)



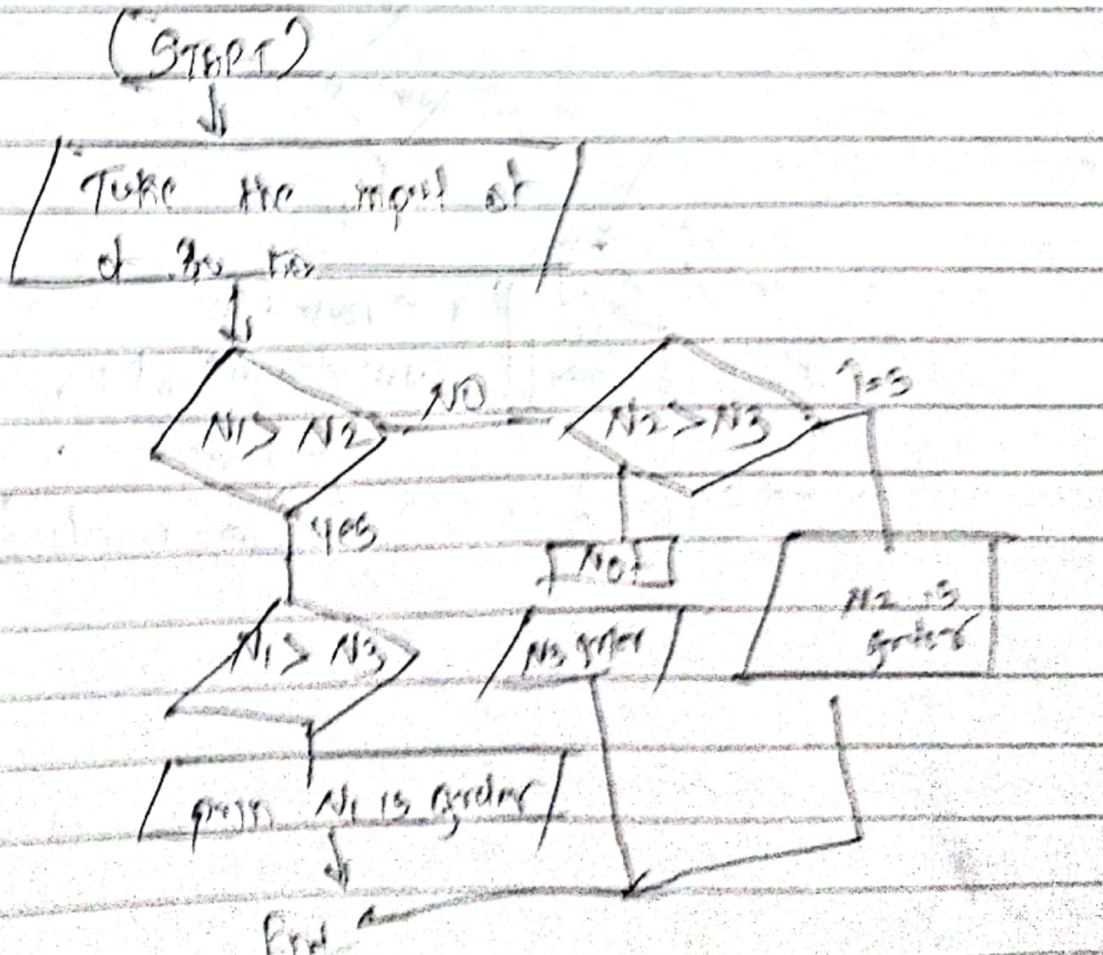
12)

Step 1 : Start the program
Step 2 : Take input from user. 2, 4
Step 3 : i=2; i++
Step 4 : Repeat it up 4 time
Step 5 : Stop

13) Reverse a



14) GCD

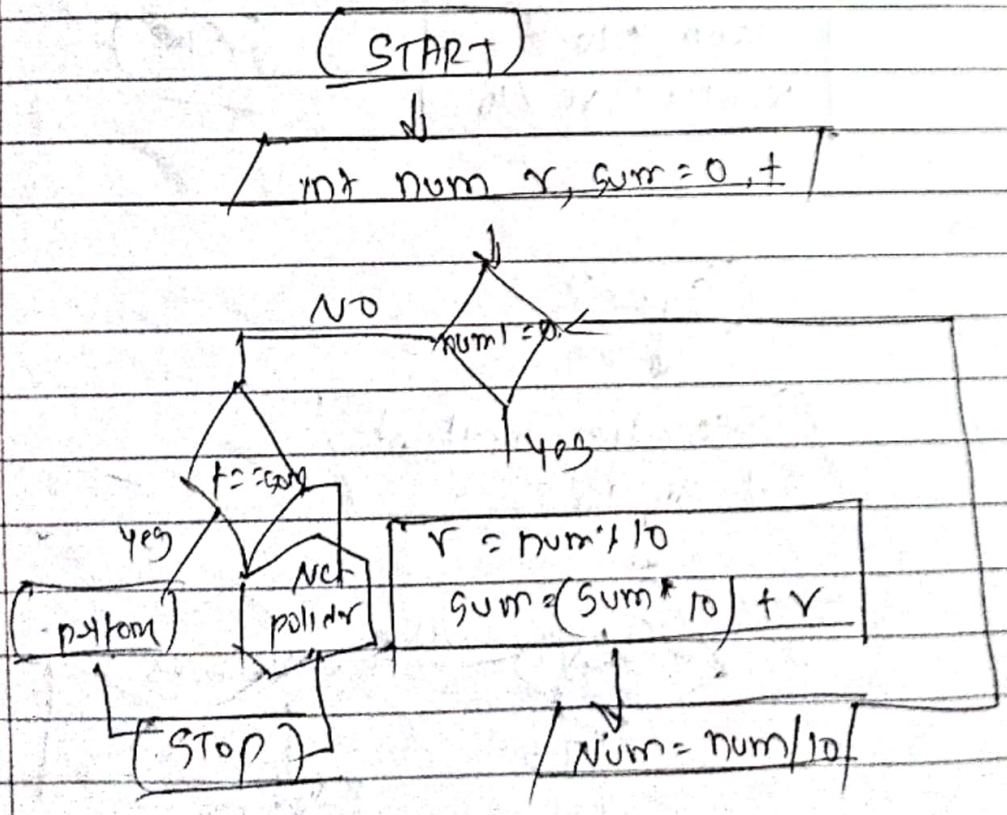


15.

LCM of two number

(1) Start
(2) accept two number
(3) IF $N_1 > N$ LCM n_1
else N_2 LCM.
(4) Validate LCM is divisib by both n_1 & n_2
(5) IF divisible print LCM of two number.
(6) else the valu of LCM is incrsed
(7) Stop.

17) Given no palidrome or not.



18 print factor of given no