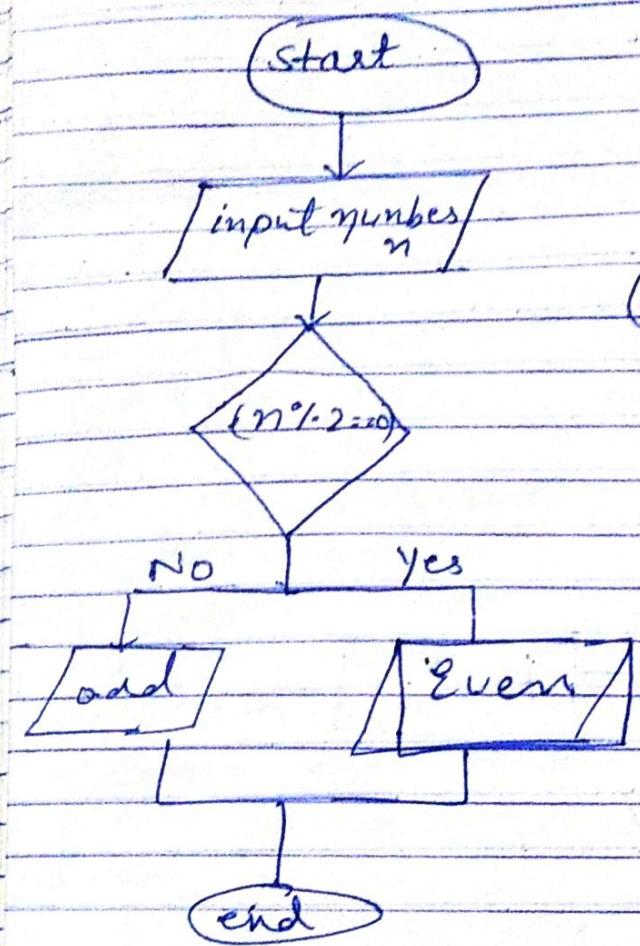


(1) check number is given is Even or odd.



(1) start the program

(2) Enter the numbers from user.

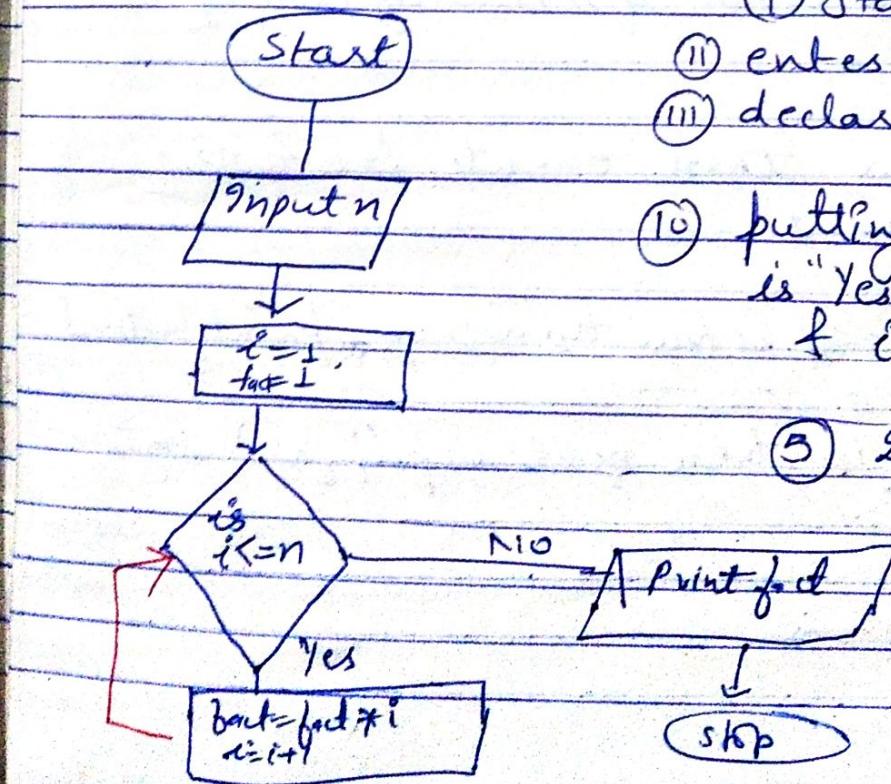
(3) check the condition if number is divisible by 2.

(4) If condition is true, then we will print even

or if condition is false then we will print odd.

(5) end of program.

(2) Factorial of a number



(i) Start program

(ii) enter the number (n)

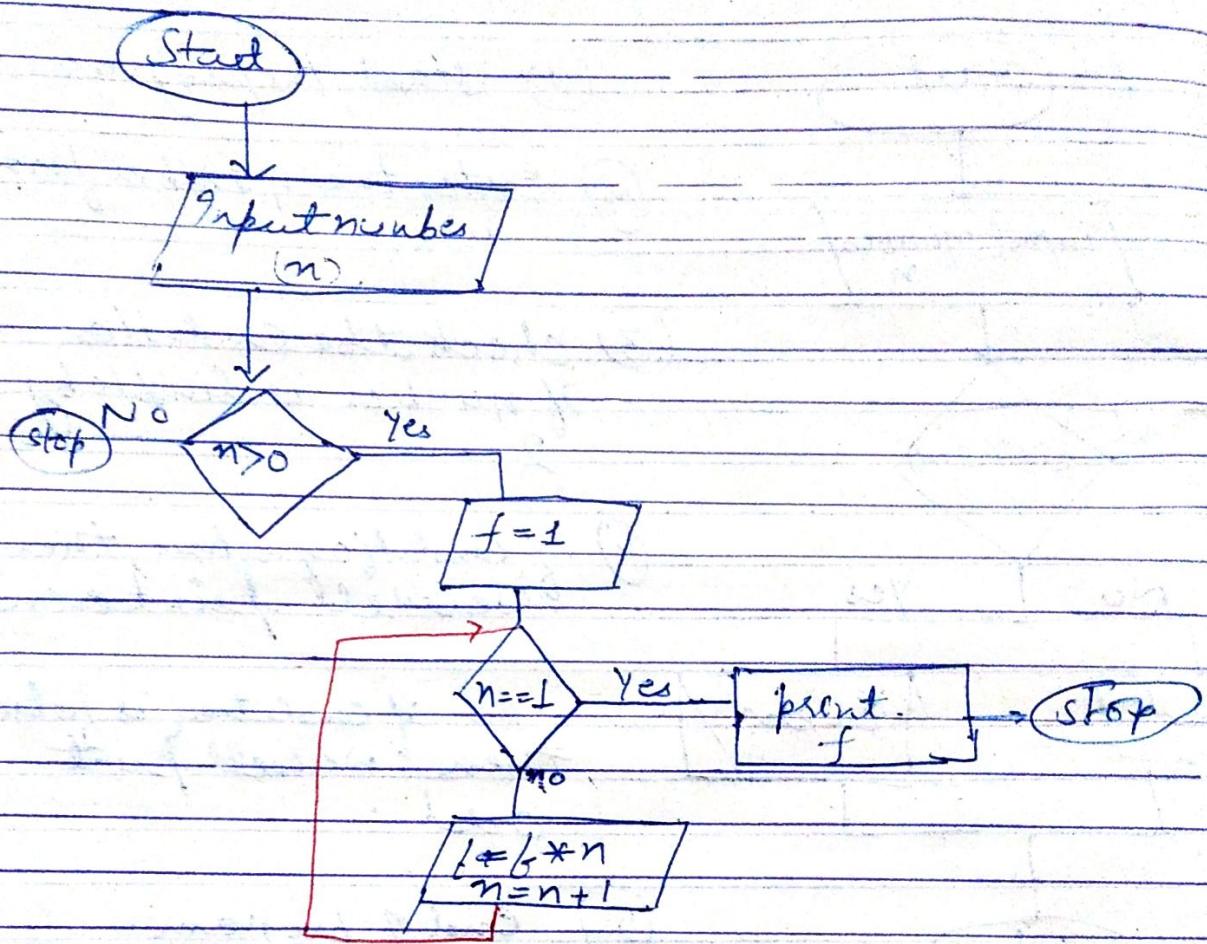
(iii) declare value of i, & fact=1

(iv) putting condition if cond is "Yes" then fact=fact*i & i is increasing.

(v) If condition is wrong then print the fact.

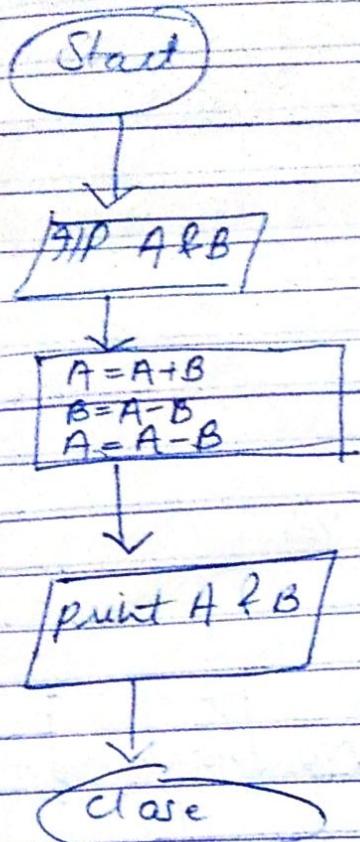
(vi) close the program

(3) factorial of numbers using recursion



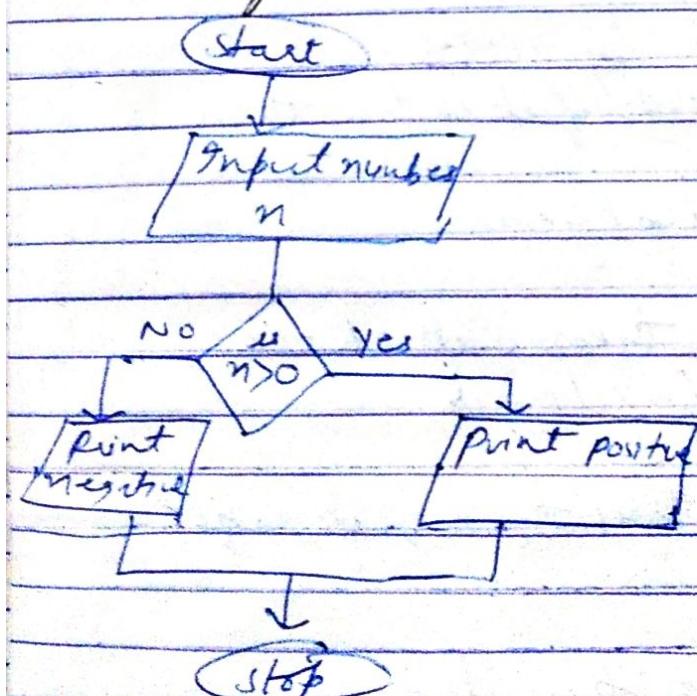
- (1) Start the program
- (2) Input the value from user (n)
- (3) Checking the condition, if it is wrong then stop the program
- (4) If condition is true, then execute $f=1$ & new condition ($n=1$)
- (5) If condition ($n=1$) is true then print factorial
- (6) If condition is false, then next step ($f=f \times n$) statement is executed.
- (7) end of program

(4) Swap two numbers without using third variable



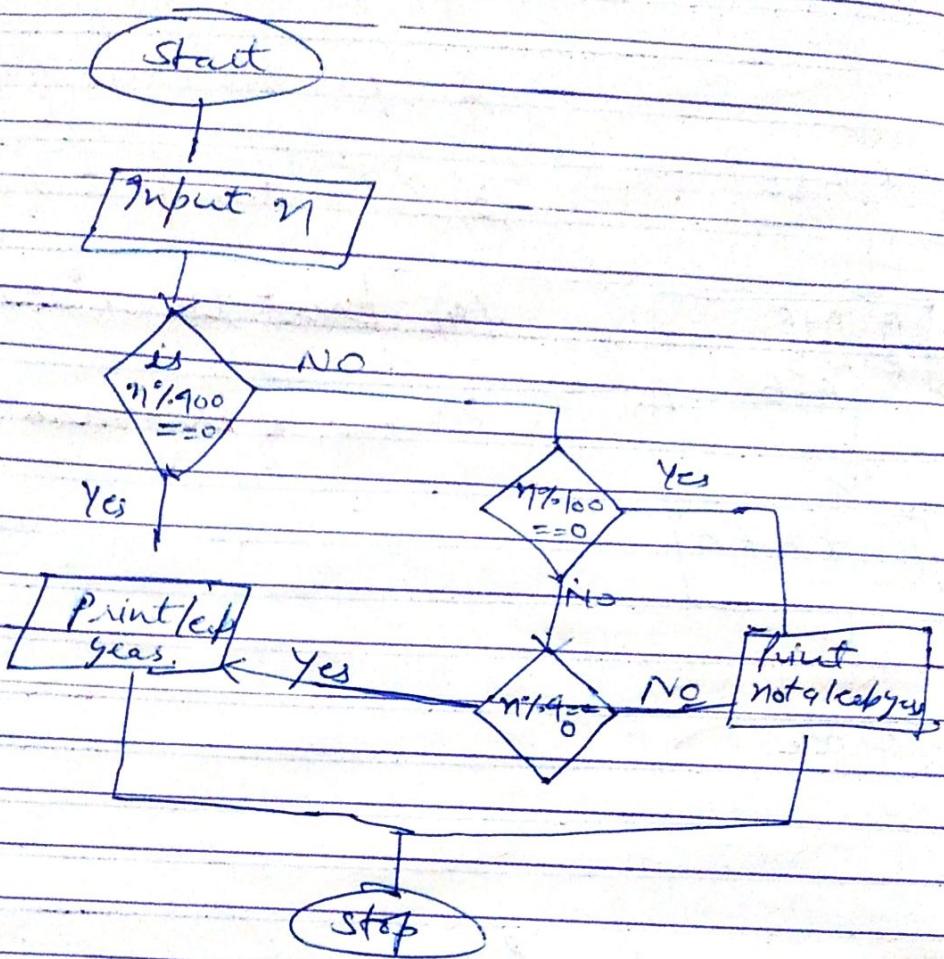
- ① start the program
- ② input the value of A & B
- ③ calculation part of A & B
- ④ print the values
- ⑤ end of program

(5) Check given numbers is Positive or negative



- ① start the program
- ② input the number n
- ③ condition if ($n > 0$) if it is true then number is positive.
- ④ if the condition is false, then number is negative
- ⑤ end of program

(6) Whether number is leap year or not



(1) Start the program

(2) value of n is entered by user

(3) Checking Condition ($n \% 400$) if it is true then

(4) It goes to ~~Print~~ Print leap year.

(5) If Condition gone wrong then, it check another Condition ($n \% 100$),

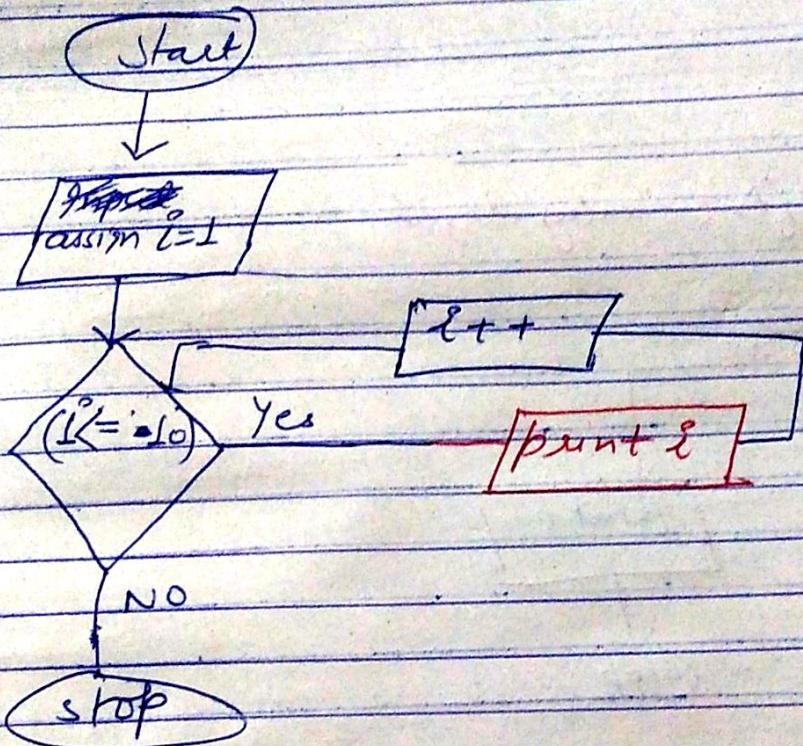
(6) In this if Condition (5) is true then, it is not leap year.

(7) If condition is not correct then it is again goes for a new Condition ($n \% 4$). If its satisfied then

(8) print the leap year.

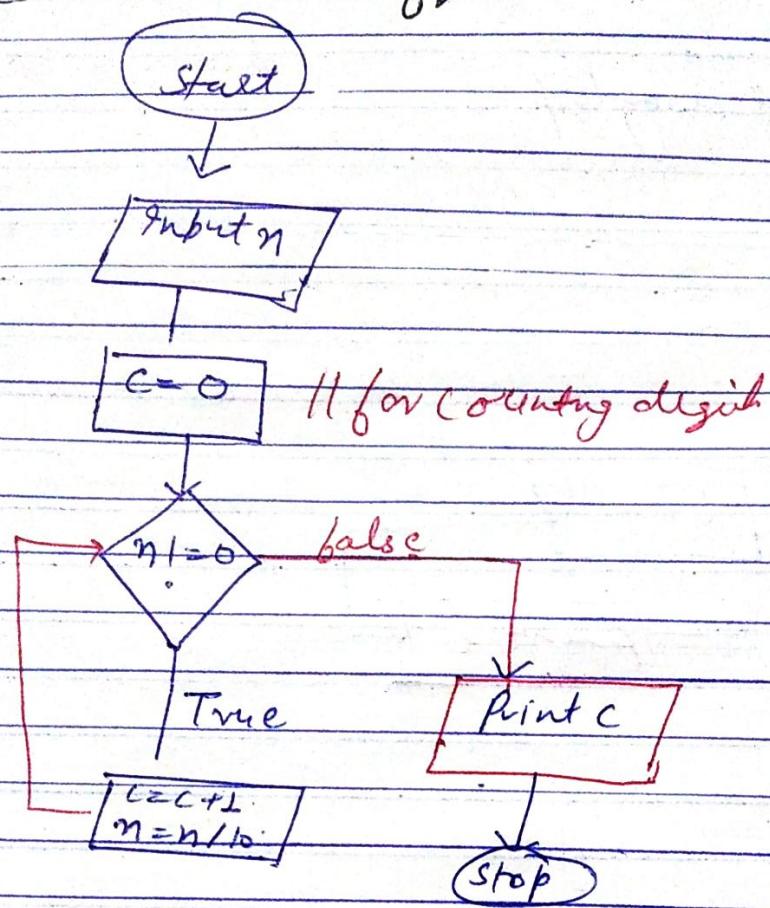
(9) End of program.

(7) Print 1 to 10 without using loop



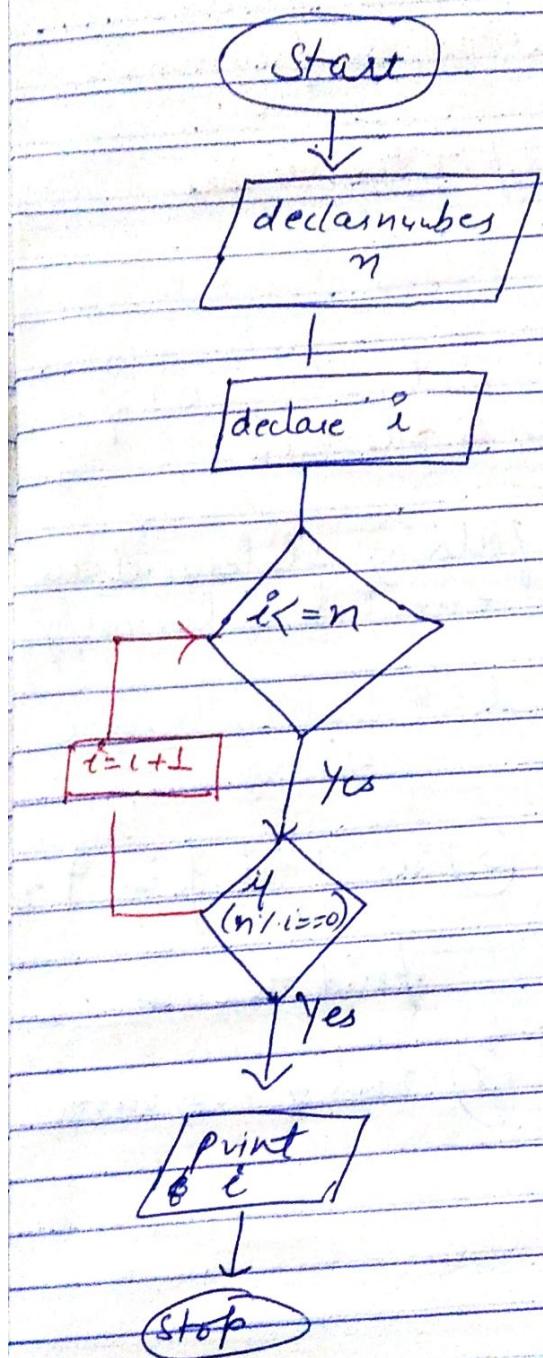
- (1) start the program
- (2) assign value of $i = 1$
- (3) checking condition ($i \leq 10$)
- (4) if it is true, then print it & update the value of i .
- (5) if the condition is false, then
- (6) stop the program

(8) Print digit of given number



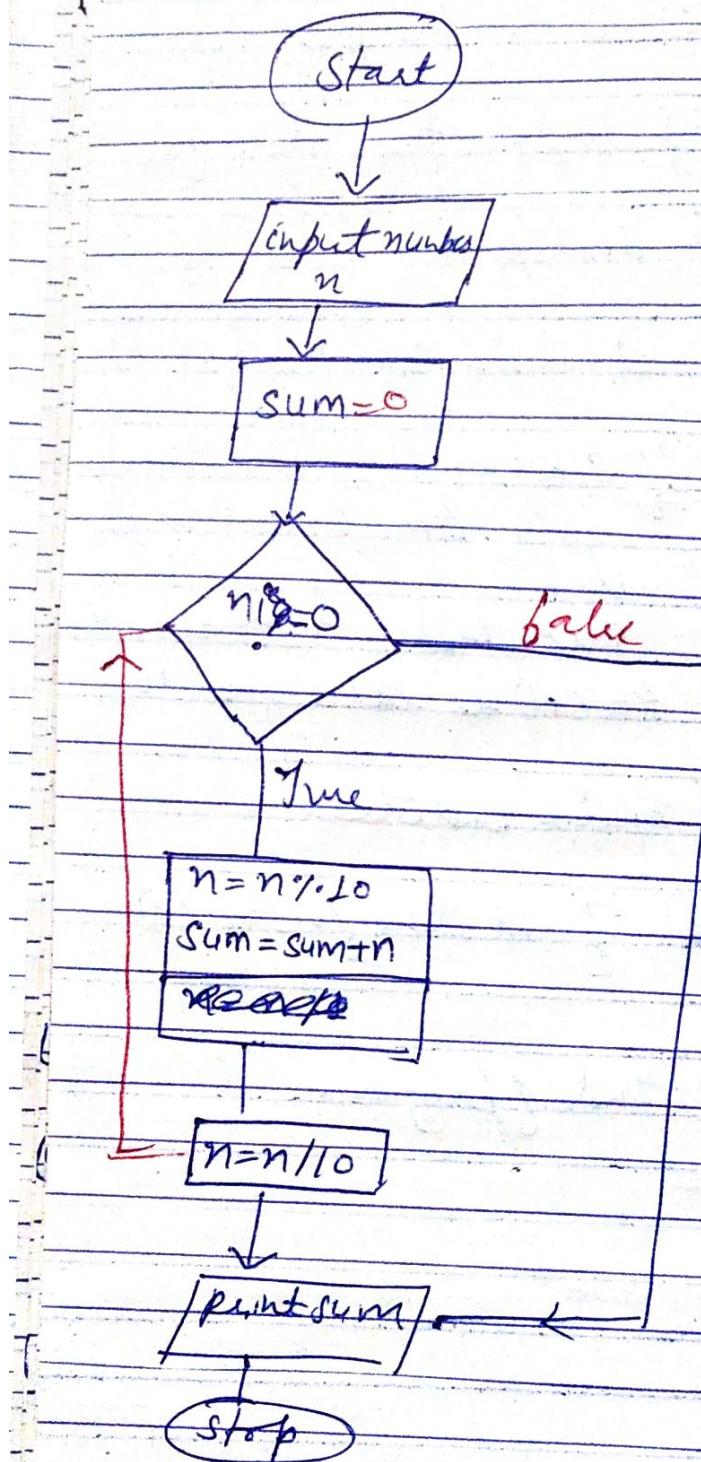
- (1) start the program
- (2) input the value from user.
- (3) make the value of $c = 0$
- (4) Checking the condition ($n \neq 0$) if it is true then statement ($c = c + 1$ & $n = n / 10$) is executed repeatedly.
- (5) If the condition ($n \neq 0$) is wrong then print the value of c .
- (6) end of digits program

⑨ To print all factors of given number



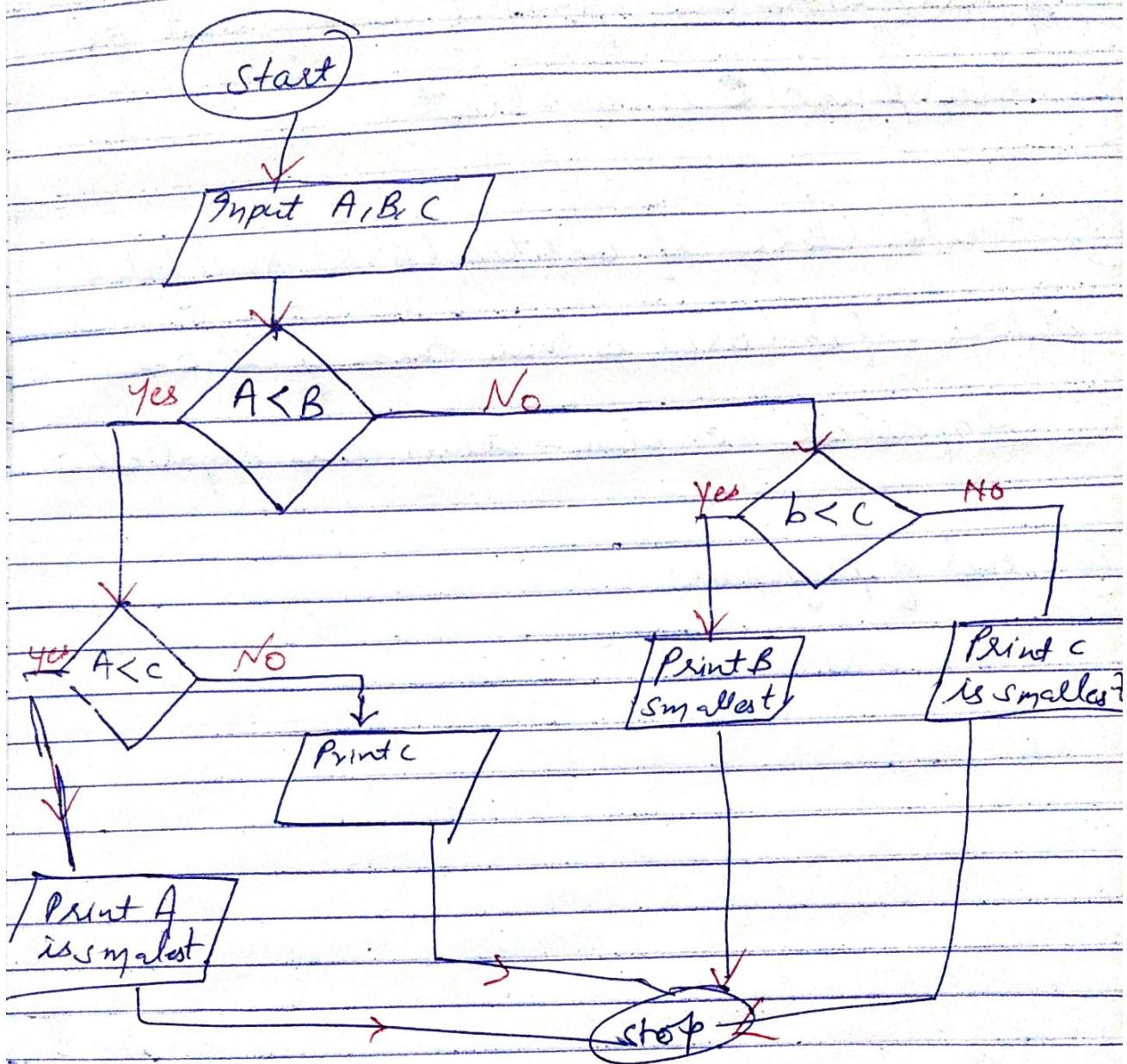
- ① Start the program
- ② declare the value of n
- ③ declare i
- ④ checking condition ($i \leq n$)
- ⑤ If statement (4) true then again one condition is executed, f. statement $i = i + 1$ is returned to main condition.
- ⑥ print the factor (i)
- ⑦ End of program

10) To print sum of digits of given numbers



- (1) Start the program
- (2) input the number
- (3) declare sum=0
- (4) condition ($n \neq 0$) if
it is true then
following statements are
executed concurrently
till condition become
wrong.
- (5) as it get false, he
print the sum.
- (6) End of program

(11) To find the smallest of 3 numbers



(1) Start program

(2) Input the Variable A, B, C

(3) Check condition ($A < B$) if it is true then again it goes for next condition ($A < C$),

then if it get failed it goes to ($B < C$) condition

③ Execute ($A < C$) Condition if above condition is true,

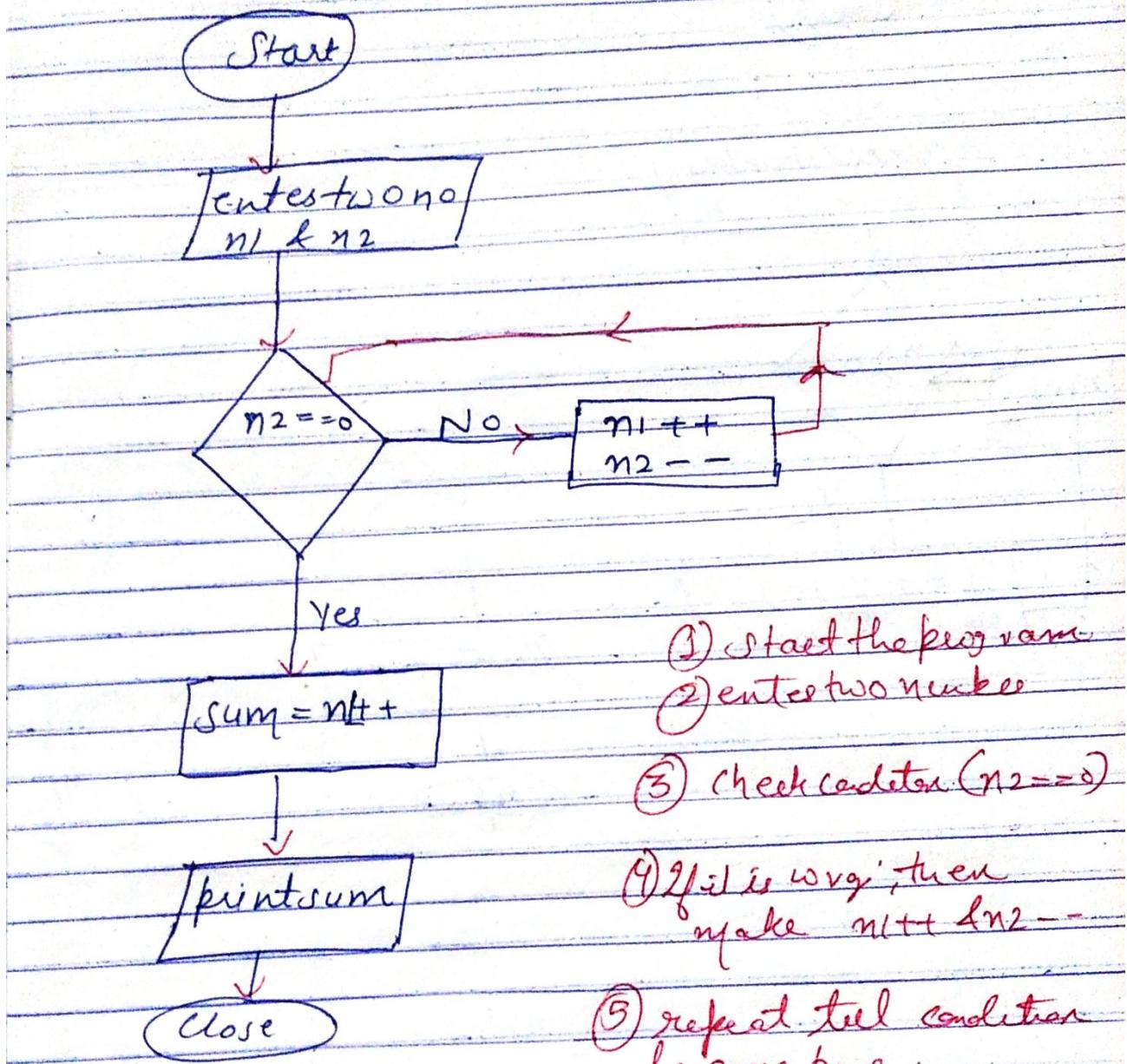
if ($A < C$) is true then print A is smallest or
else print B is smallest

④ Execute ($B < C$) if condition ($A \leq B$) gone false,

then if it ($B < C$) is true then print B is
smallest or else print C is smallest.

⑤ end of program.

(12) Add 2 number without using arithmetic operator



① start the program
② enter two number

③ check condition ($n2 == 0$)

④ if it is wrng, then
make $n1++$ $n2--$

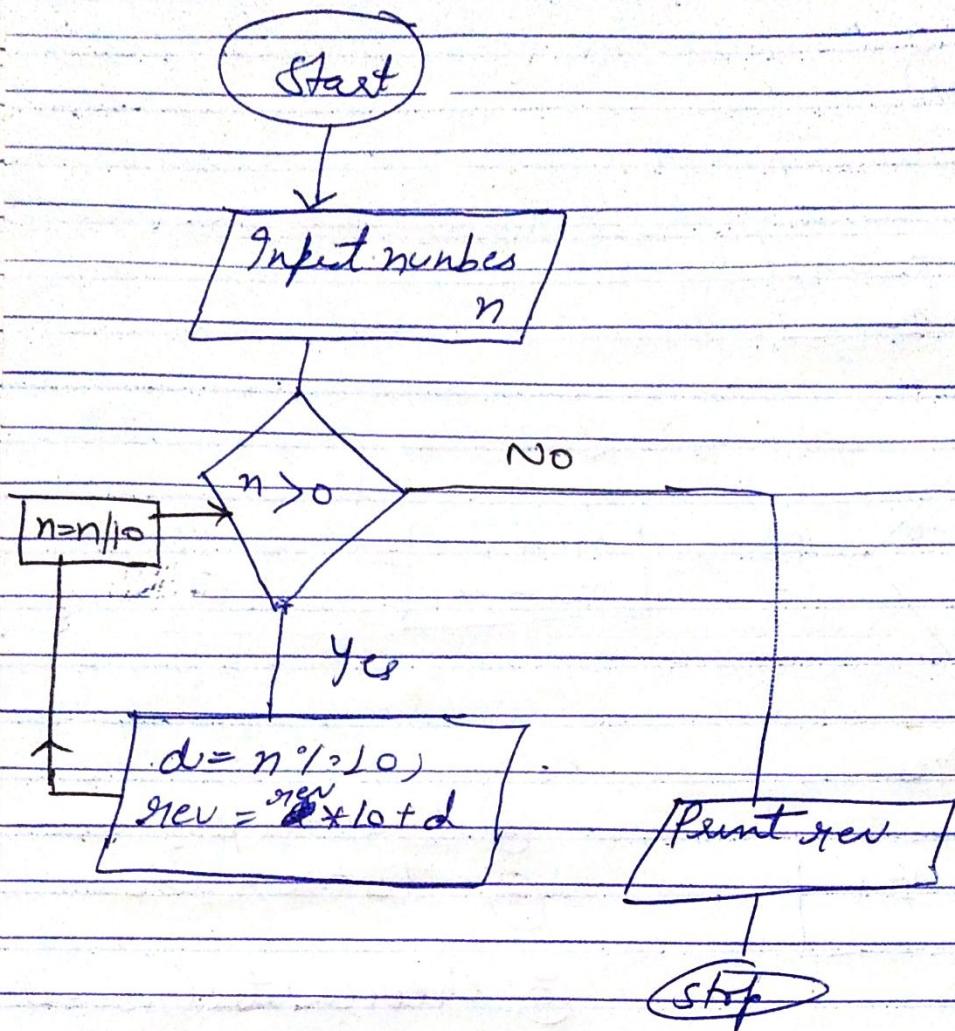
⑤ repeat till condition
become true

⑥ if it true then sum =
 $n1++$;

⑦ print sum.

⑧ end of program

(13) Program to reverse the given number



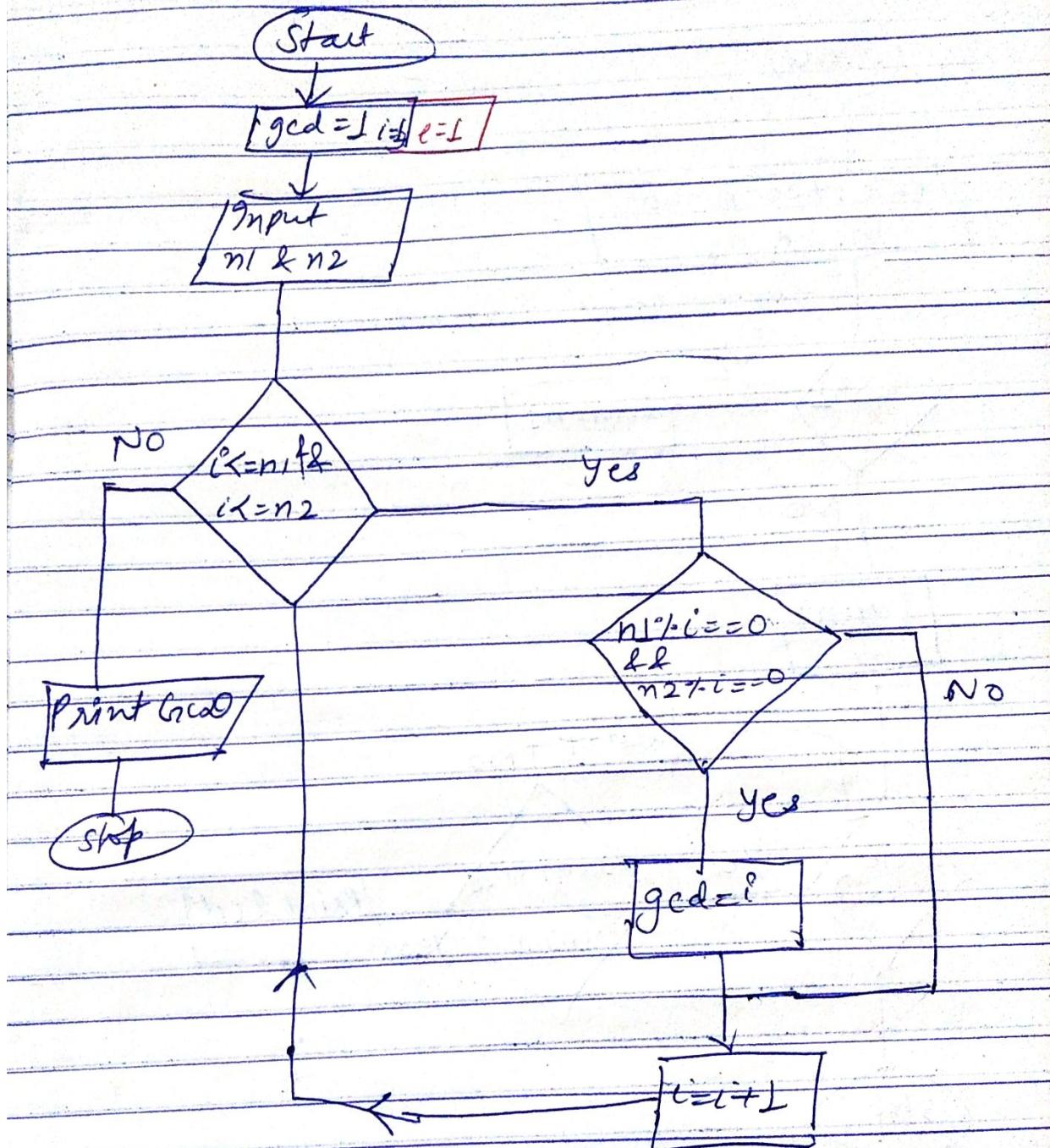
- (1) start program
- (2) input the number n
- (3) condition ($n > 0$) if it is yes, then step will be executed

(4) Repeat the steps till condition becomes wrong.

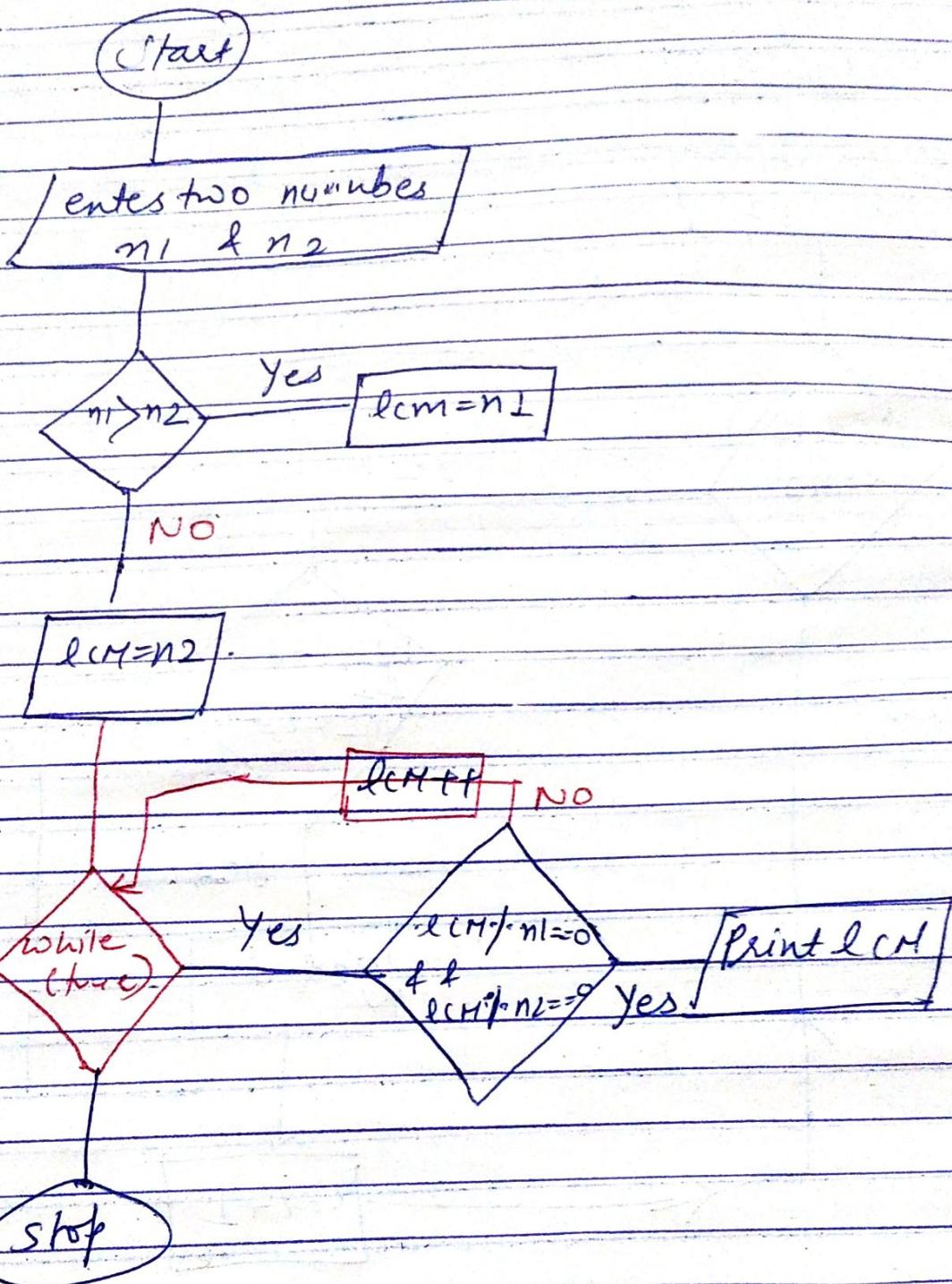
(5) print the reverse numbers

(6) end of program

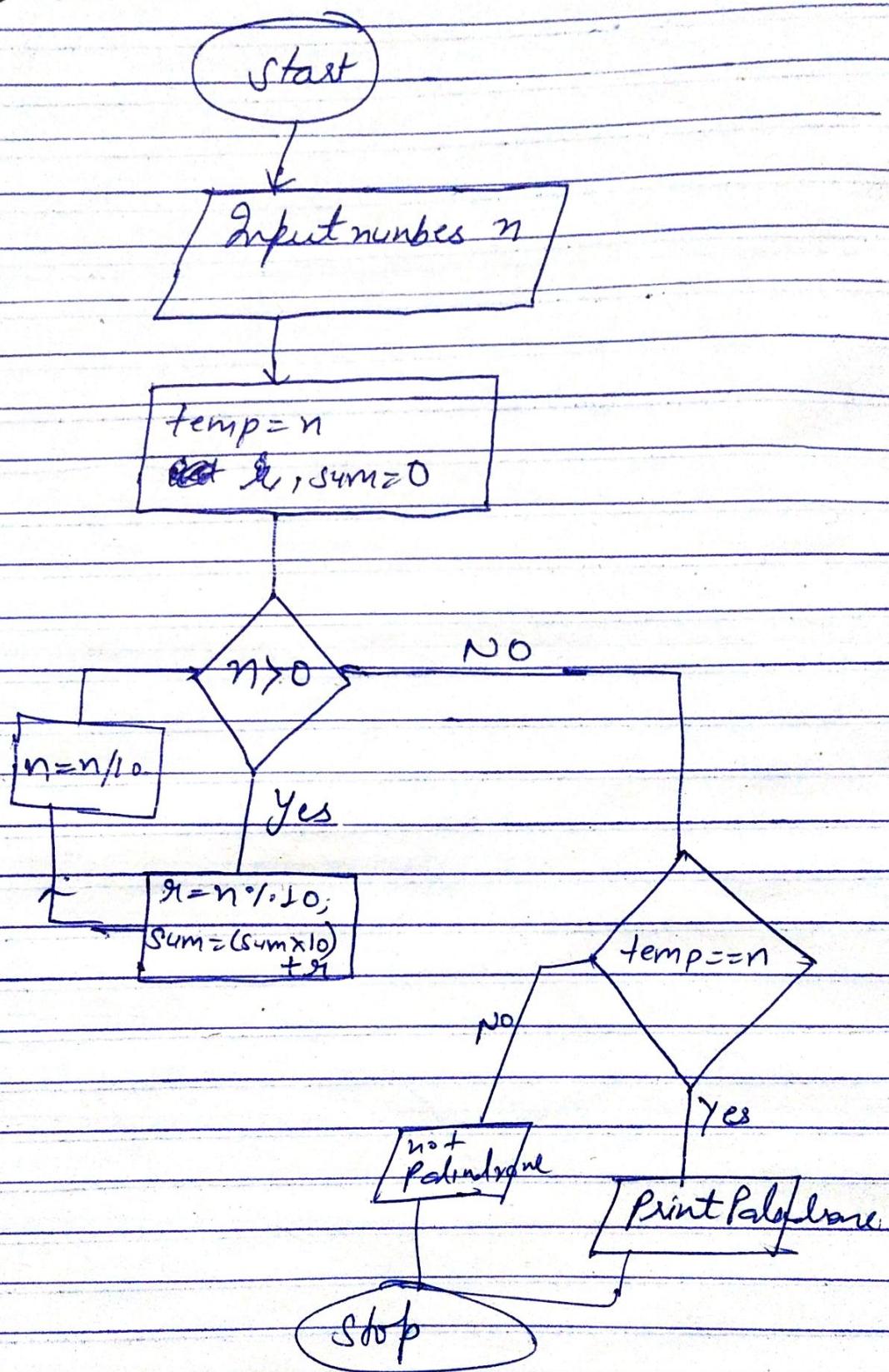
(19) Program to find GCD of two numbers



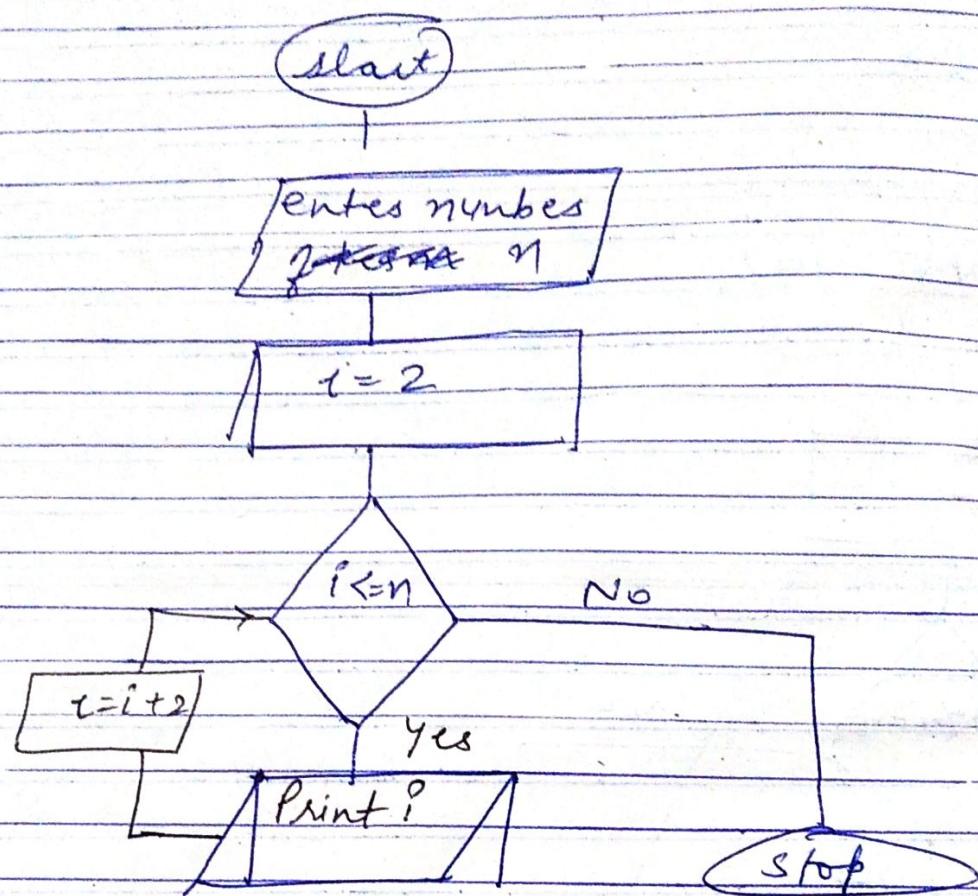
⑯ To find LCM of two given numbers



Q2. Numbes is Palindrome or not



(19) To print even series 2 4 6 8 10 12 14 16



(20) To print odd ~~even~~ numbers series 1, 3, 5, 7, 9, 11, 13

