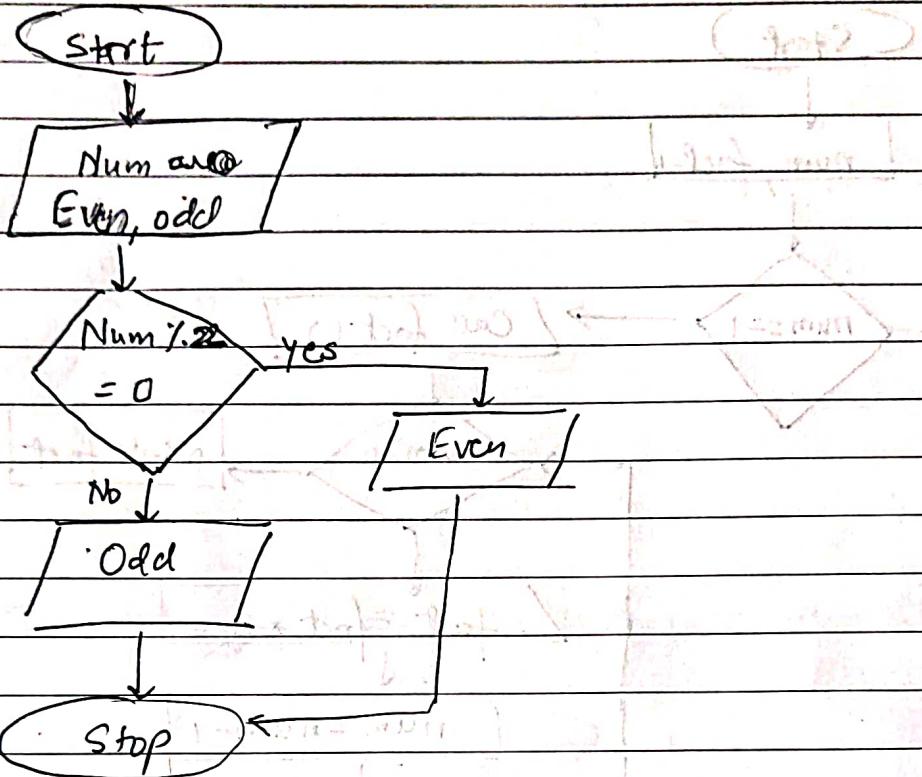
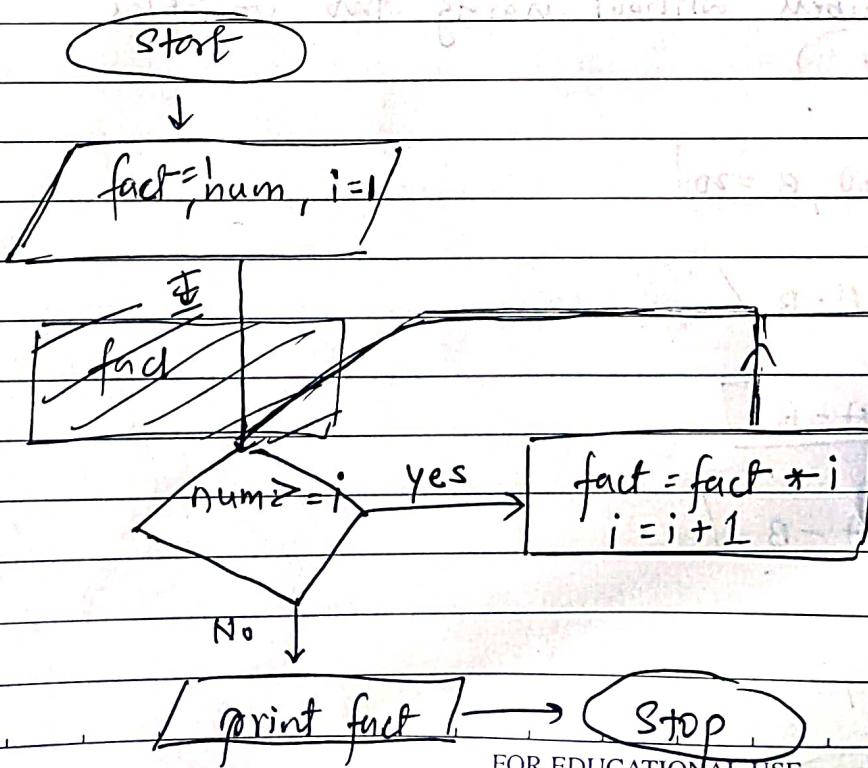


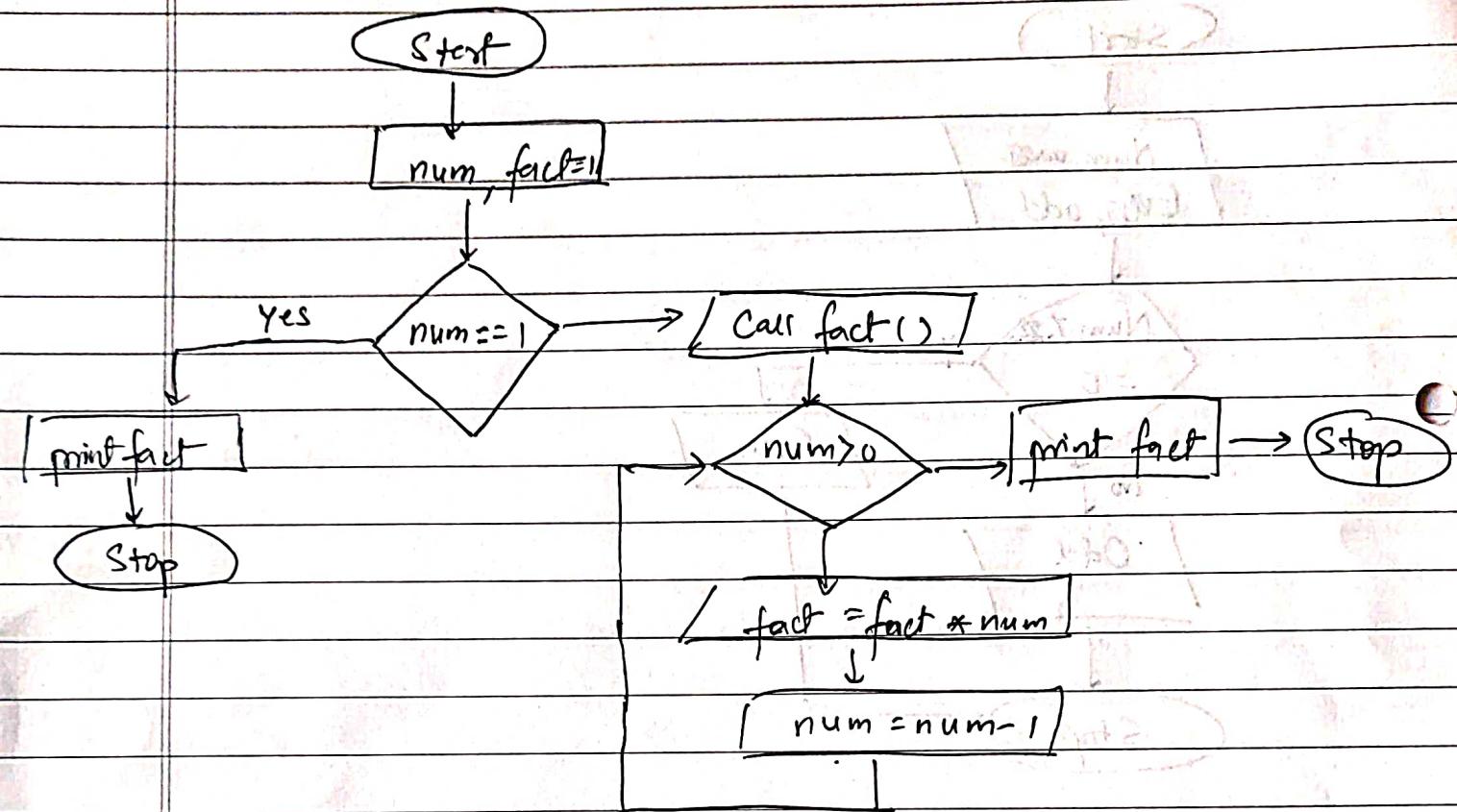
① Checks if the given number is Even or ODD



② Write a program to find the factorial of given number



③ find the factorial of number using recursion.



④ Swap two numbers without using two variables

Start



A = 10, B = 20



A = A + B



B = A - B



A = A - B

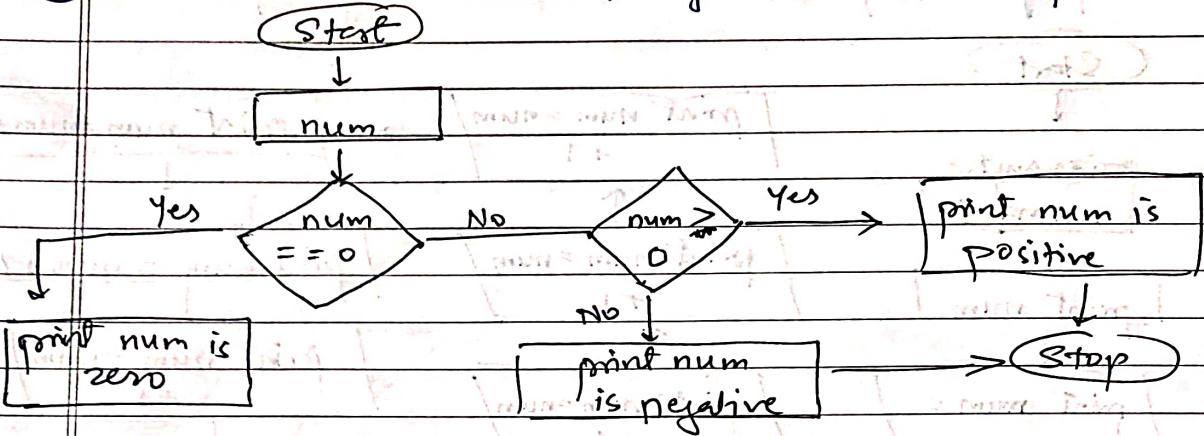


print A, B

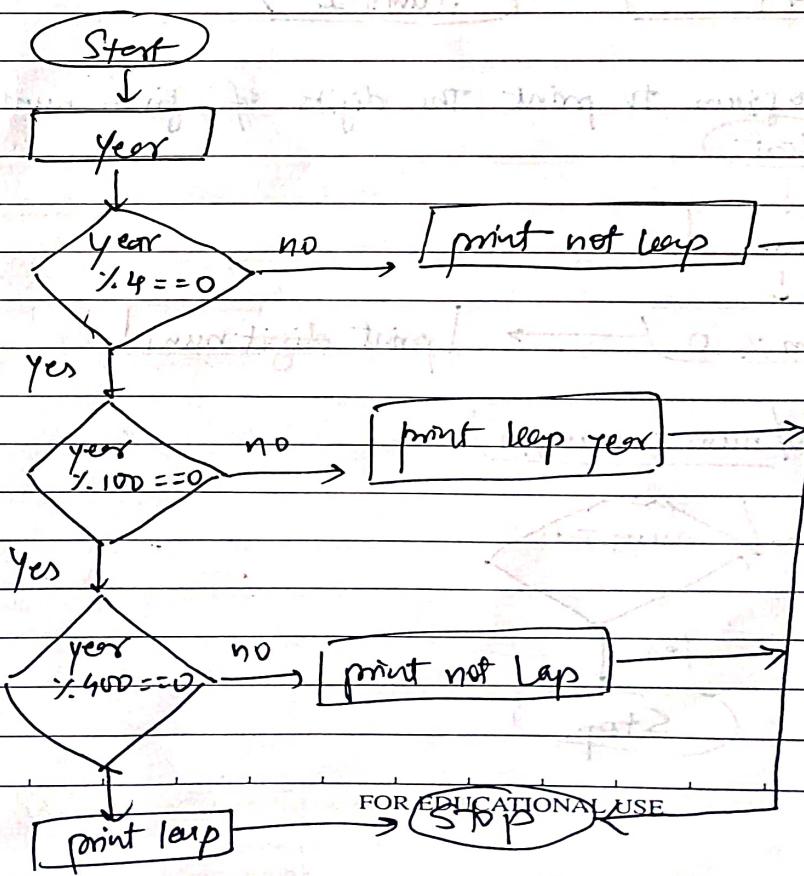


Stop

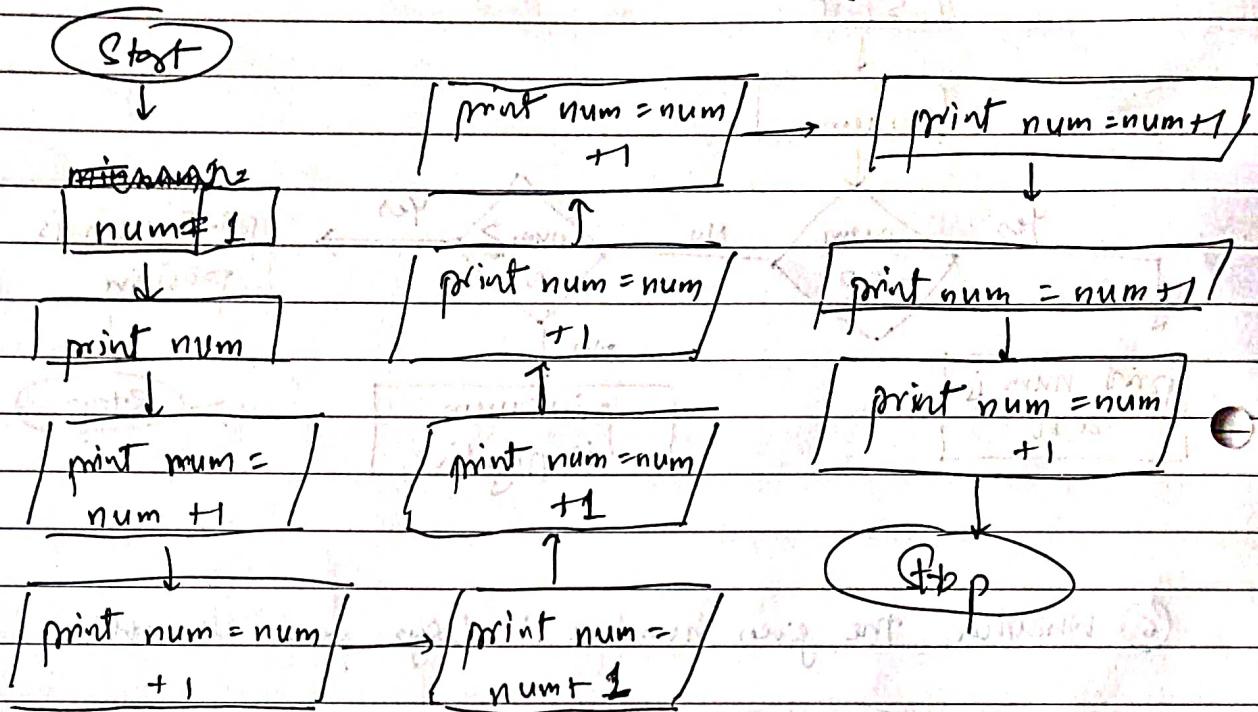
(1) How to check whether the given number is positive or negative



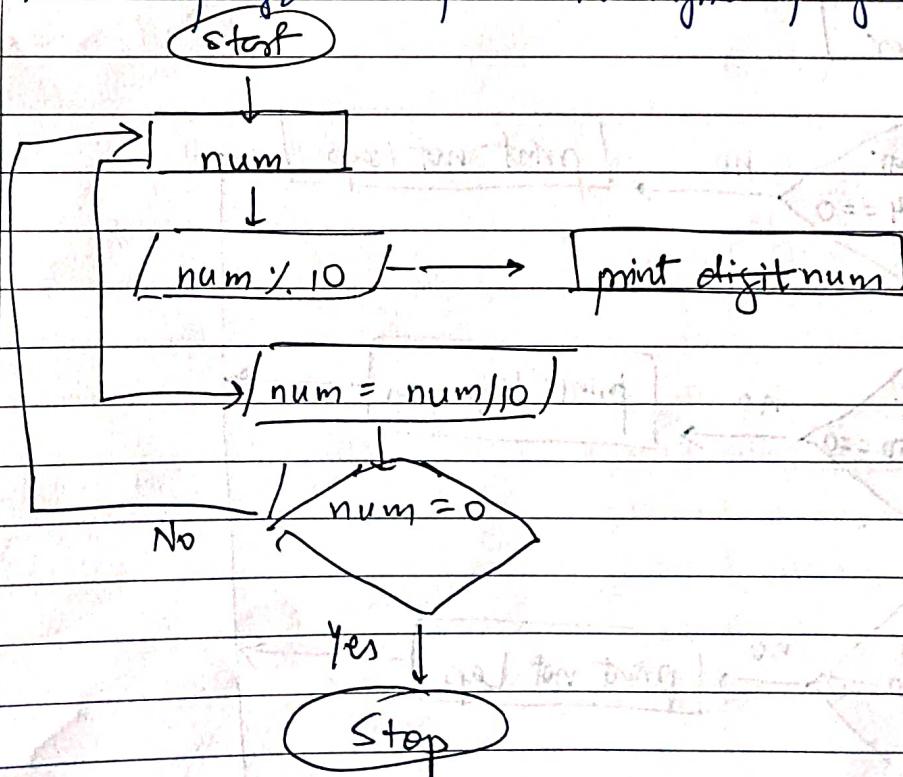
(2) Whether the given number is leap year or not



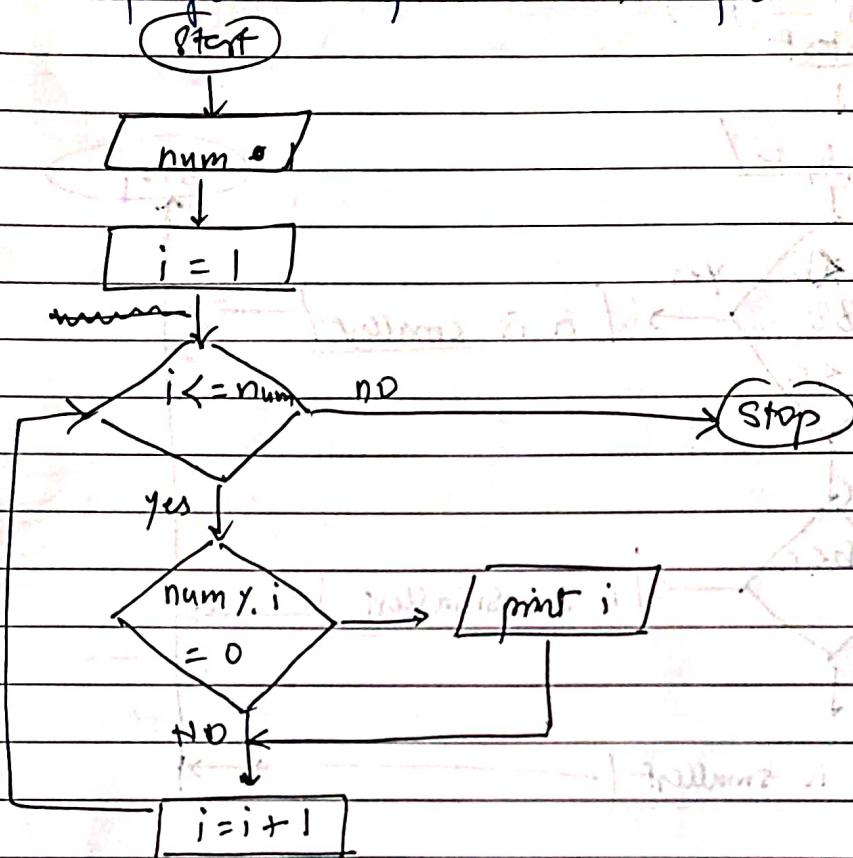
⑦ Write a program to print 1 to 10 without using loop



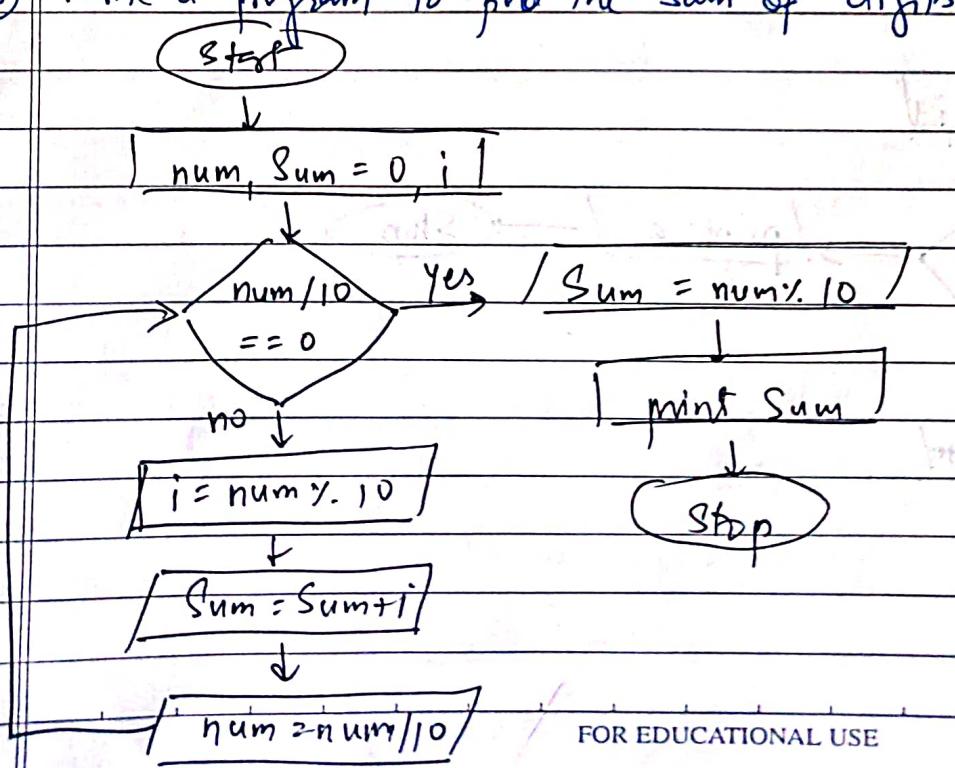
⑧ Write a program to print the digits of given number



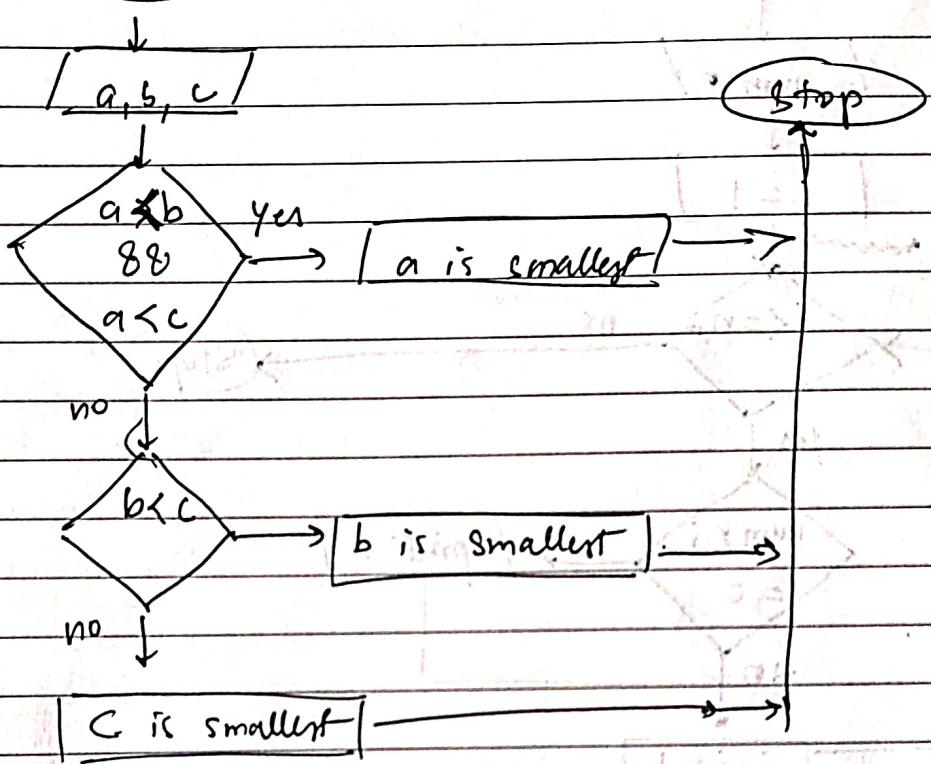
Q9) Write a program to print all the factors of the given number



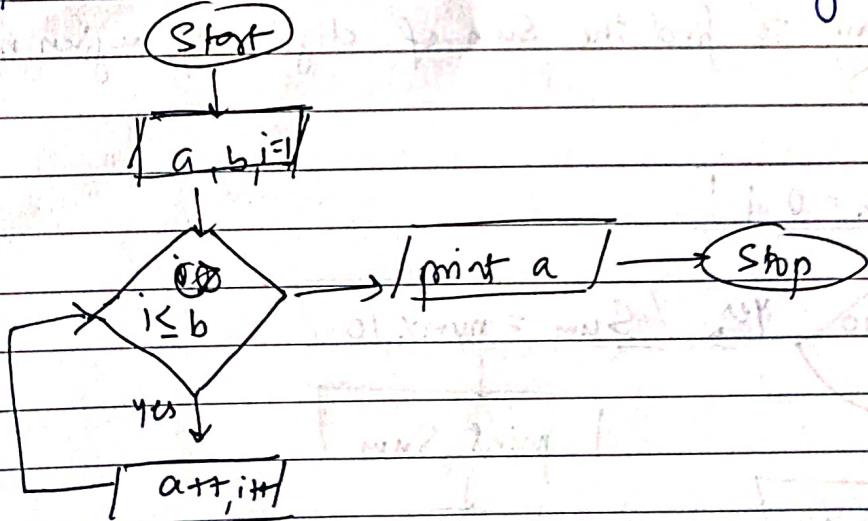
Q10) Write a program to find the sum of digits of a given number.



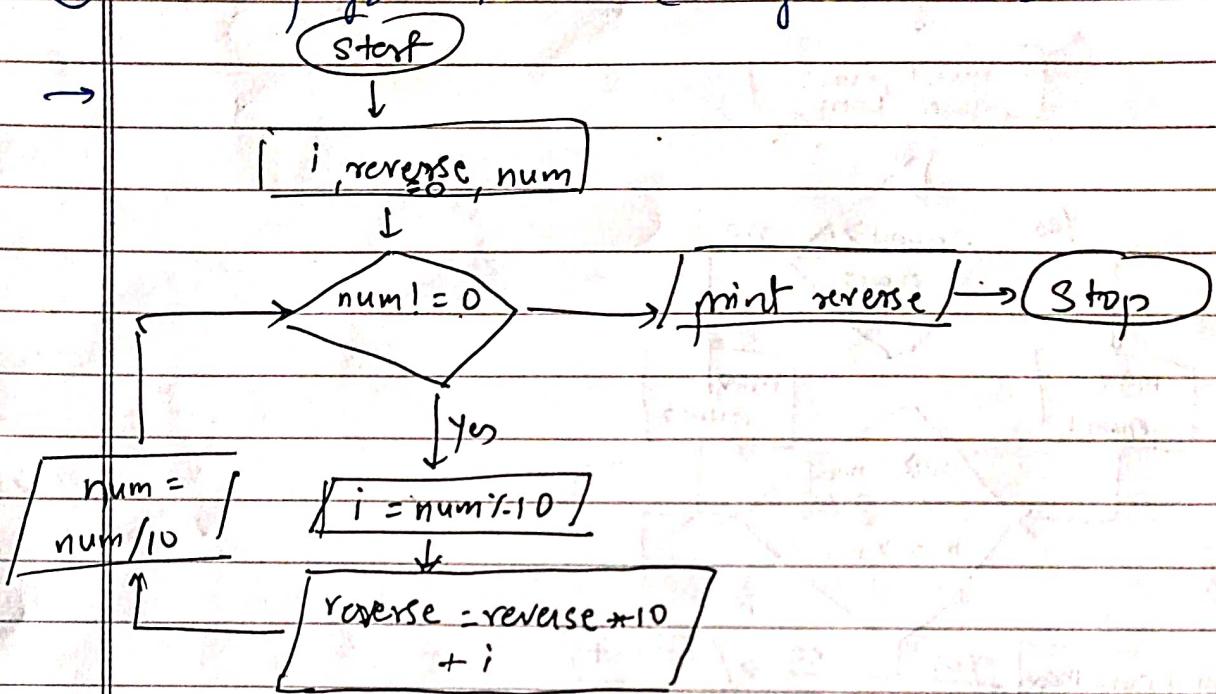
(1) Write a program to find the smallest of 3 numbers (a, b, c)?



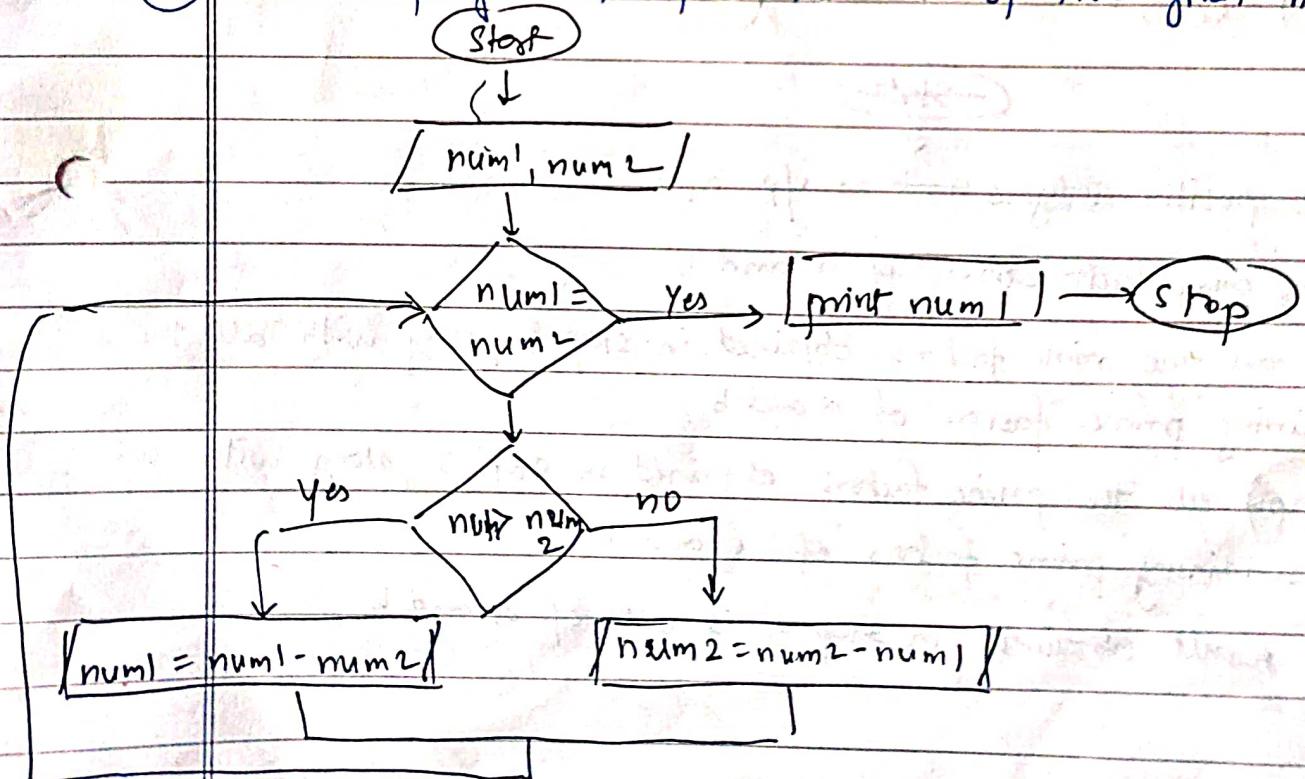
(2) How to add two numbers without using arithmetic operator



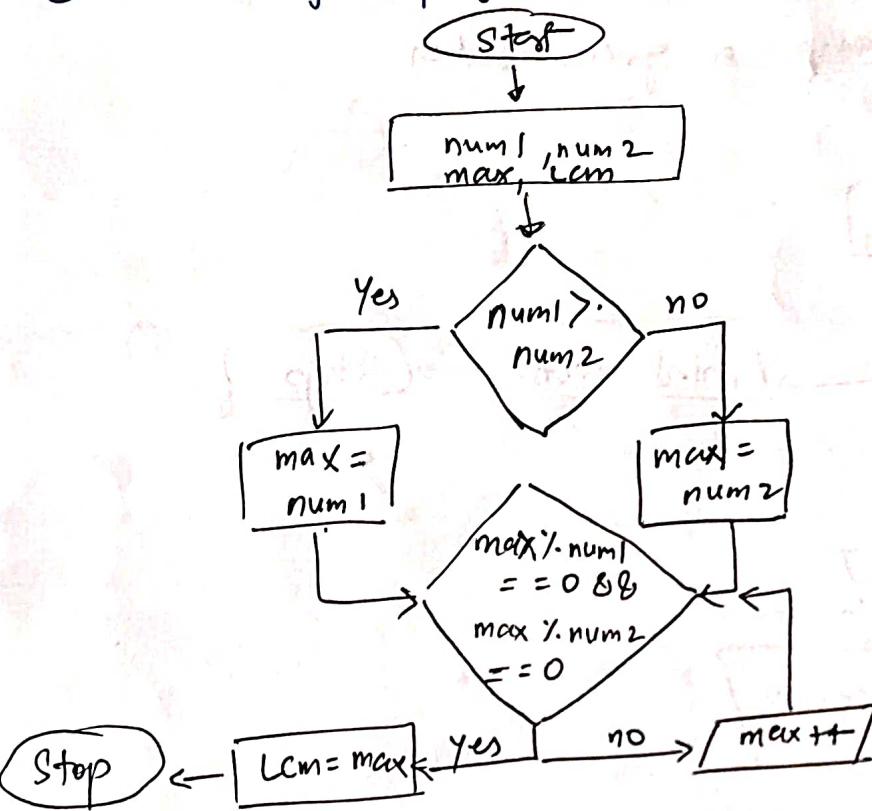
(13) Write a program to reverse a given number



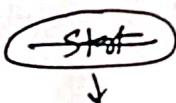
(14) Write a program to find the GCD of two given numbers



(15) Write a java program to ^{find} LCM of two given numbers

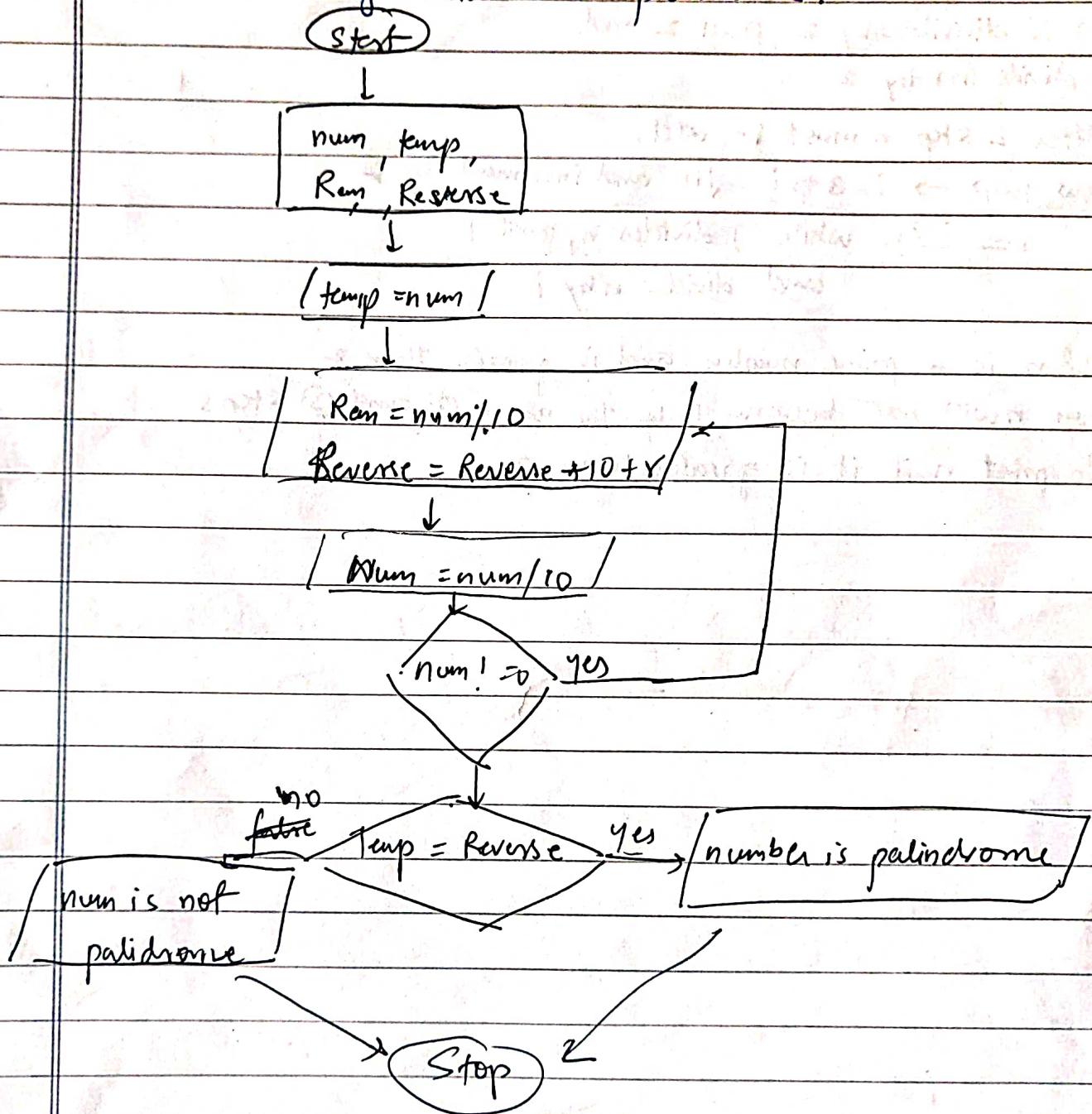


(16) Write a java program to find LCM with the help of prime factors method.



- (1) Take 2 positive integers a, b as i/p a, b
- (2) Find the prime factorization of a and b
- (3) Take all the prime factors obtained in step 3, along with all the remaining prime factors of a and b
- (4) multiply all the prime factors obtained in step 3, along with all the remaining prime factors of a and b
- (5) The result obtained in step 4 is LCM of a and b

(17) Check whether given number is palindrome!



⑧ Write a program to print all the prime factors of given number

① Get the input number from user

② (n) is divisible by 2, print 2 and

③ divide (n) by 2

④ After 2 step n must be odd.

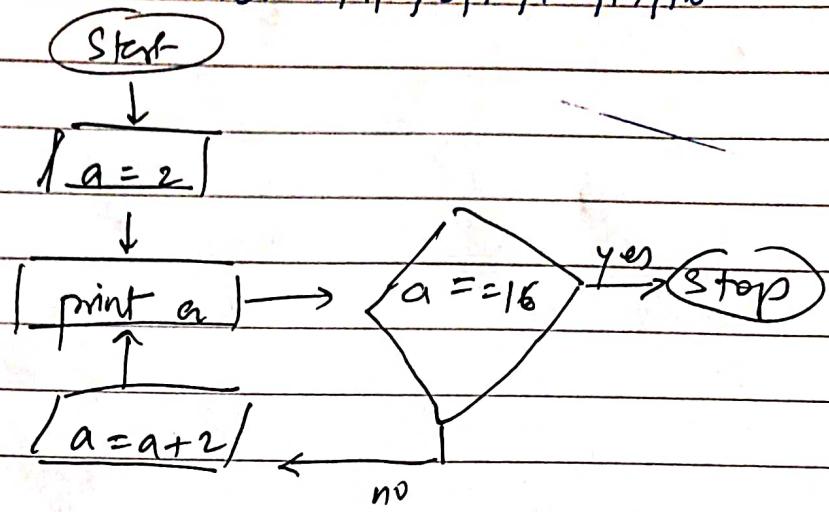
Now loop $\rightarrow i = 3 \text{ to } i = \sqrt{n}$ and increment by 2

i = i + 2 while i divides n , print i

and divide n by i

⑤ If n is a prime number and is greater than 2,
then n will not become 1 by the above ② and ③ steps
So print n if it is greater than 2.

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



(20) To print the odd series 1, 3, 5, 7, 9, 11, 13

