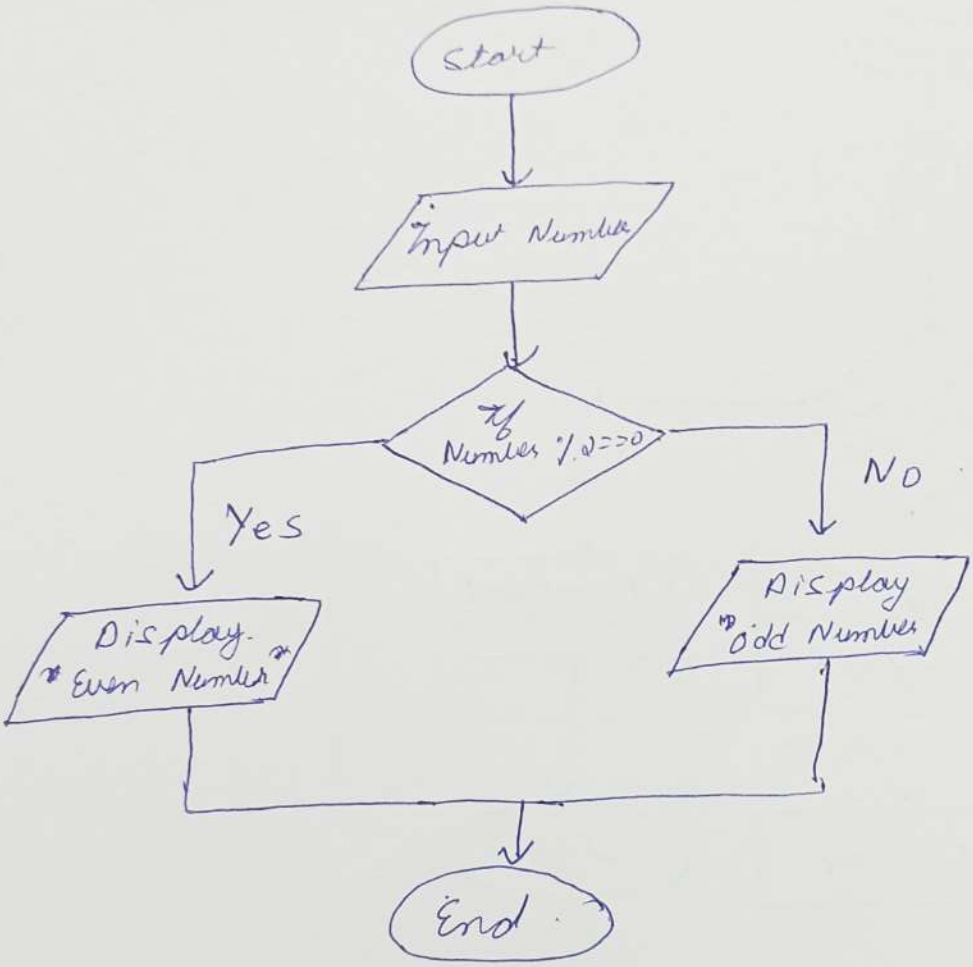
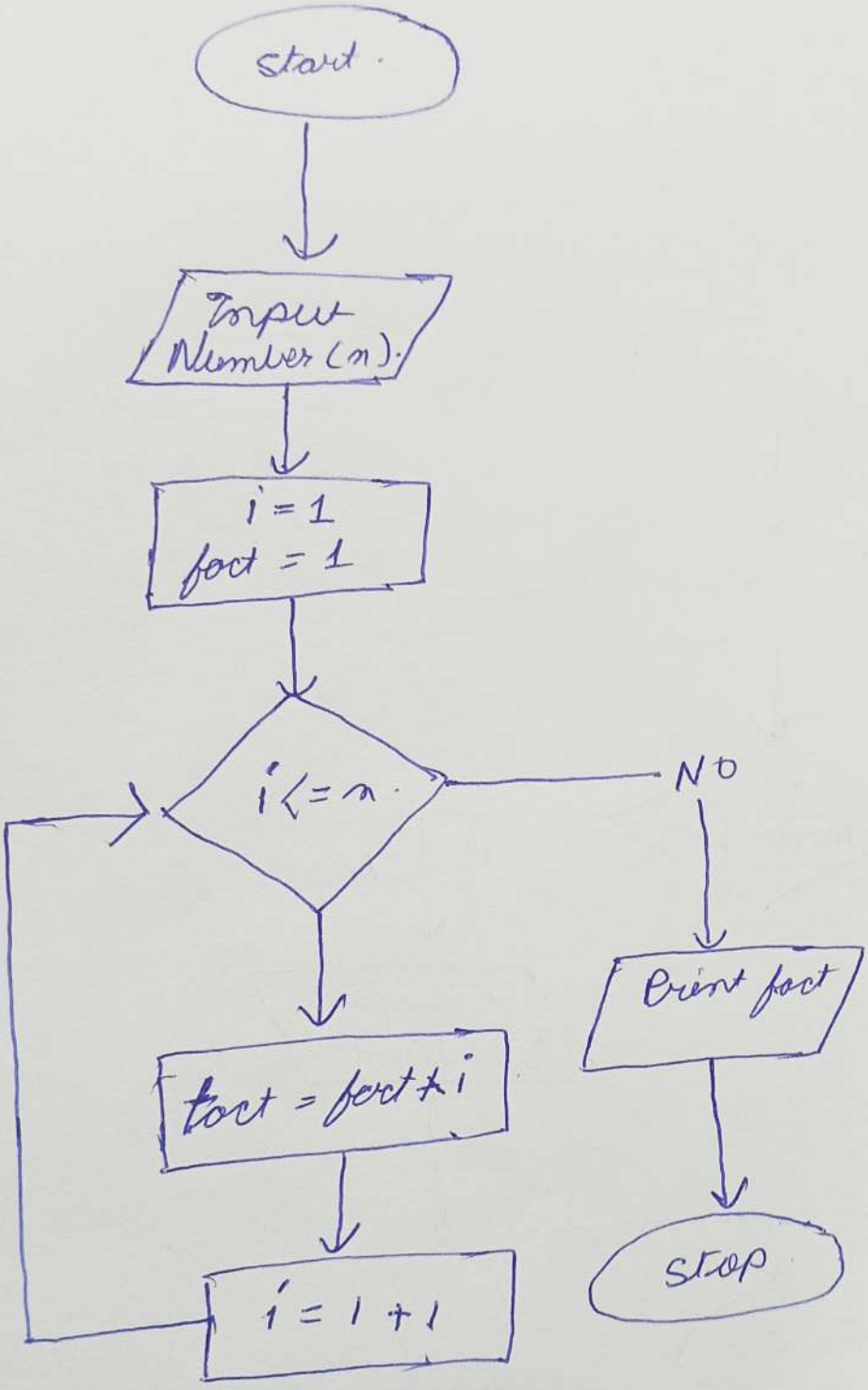
Assignment 1

1) write Algorithm or Flowchard for the following programs

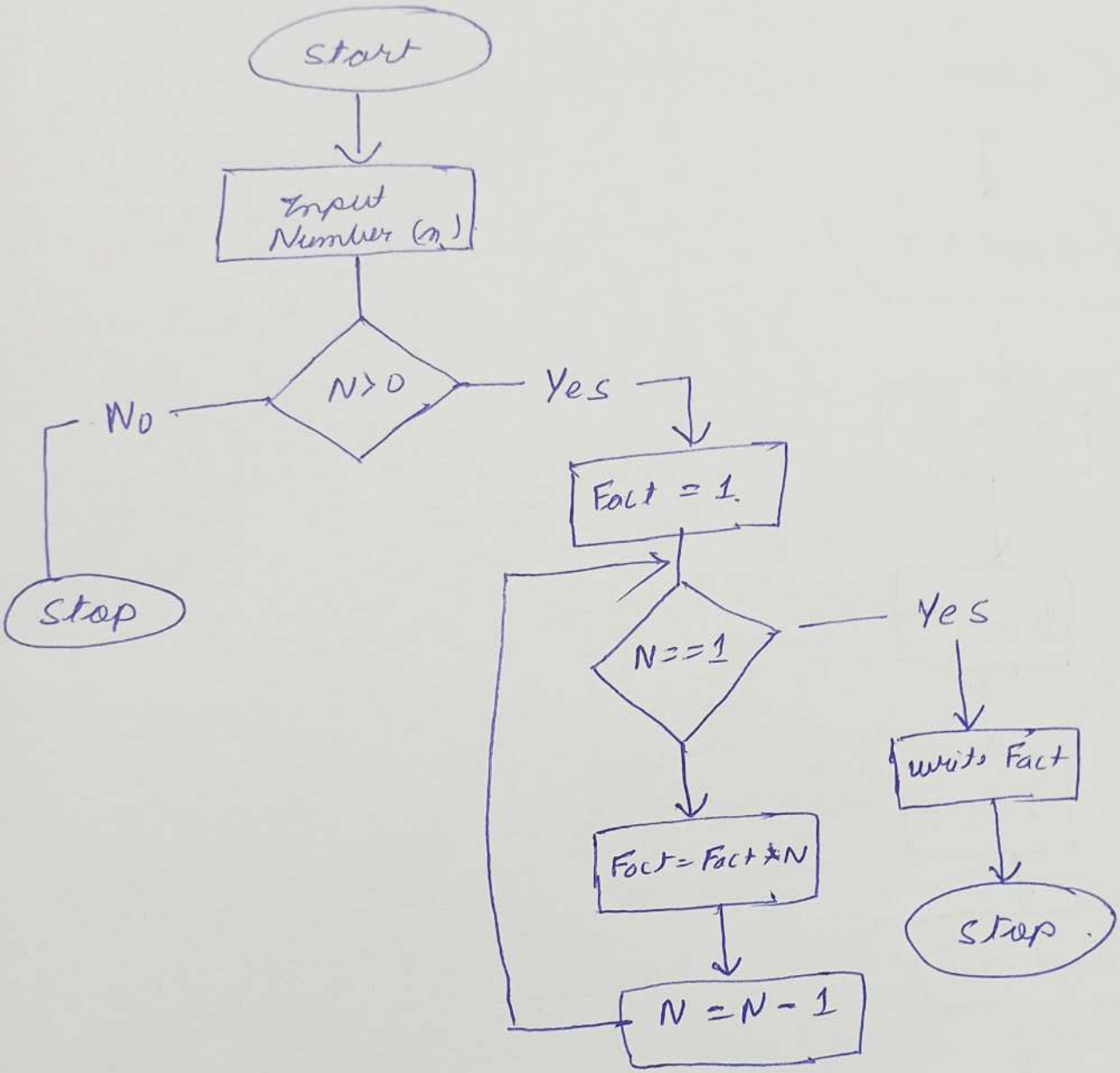
1) check if the given number is Even or ODD



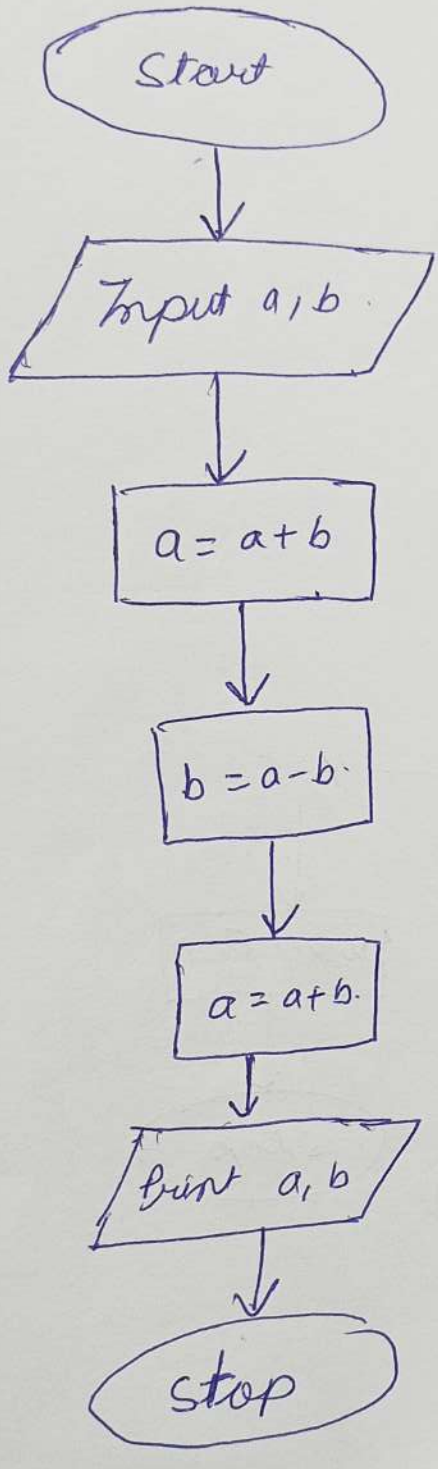
Write a Java program to find the Factorial of a given number



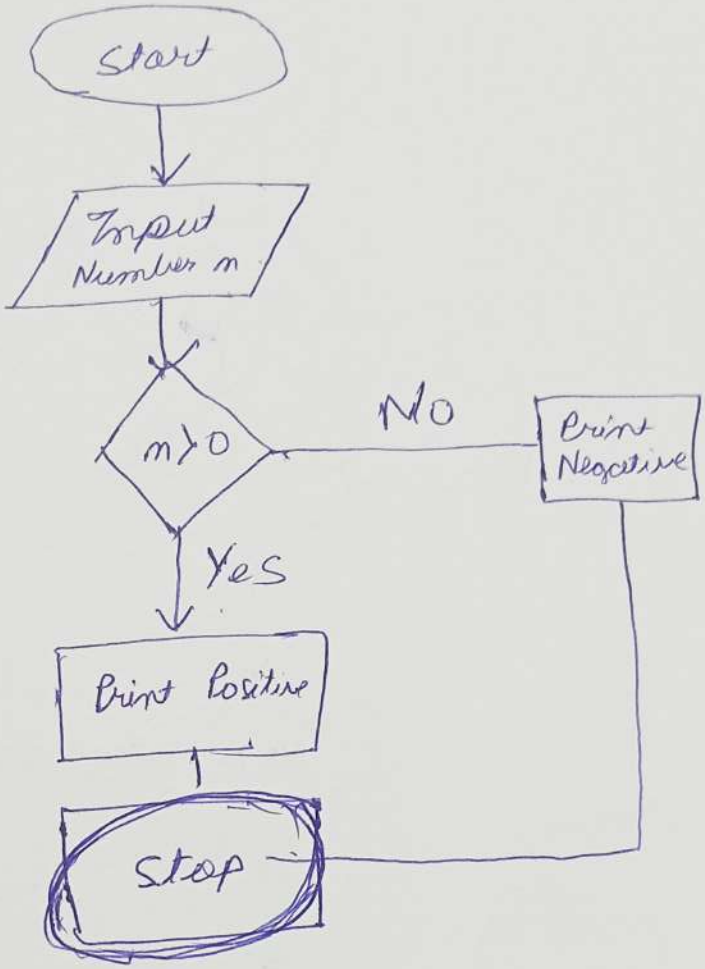
3) Find the Factorial of a number using Recursion.



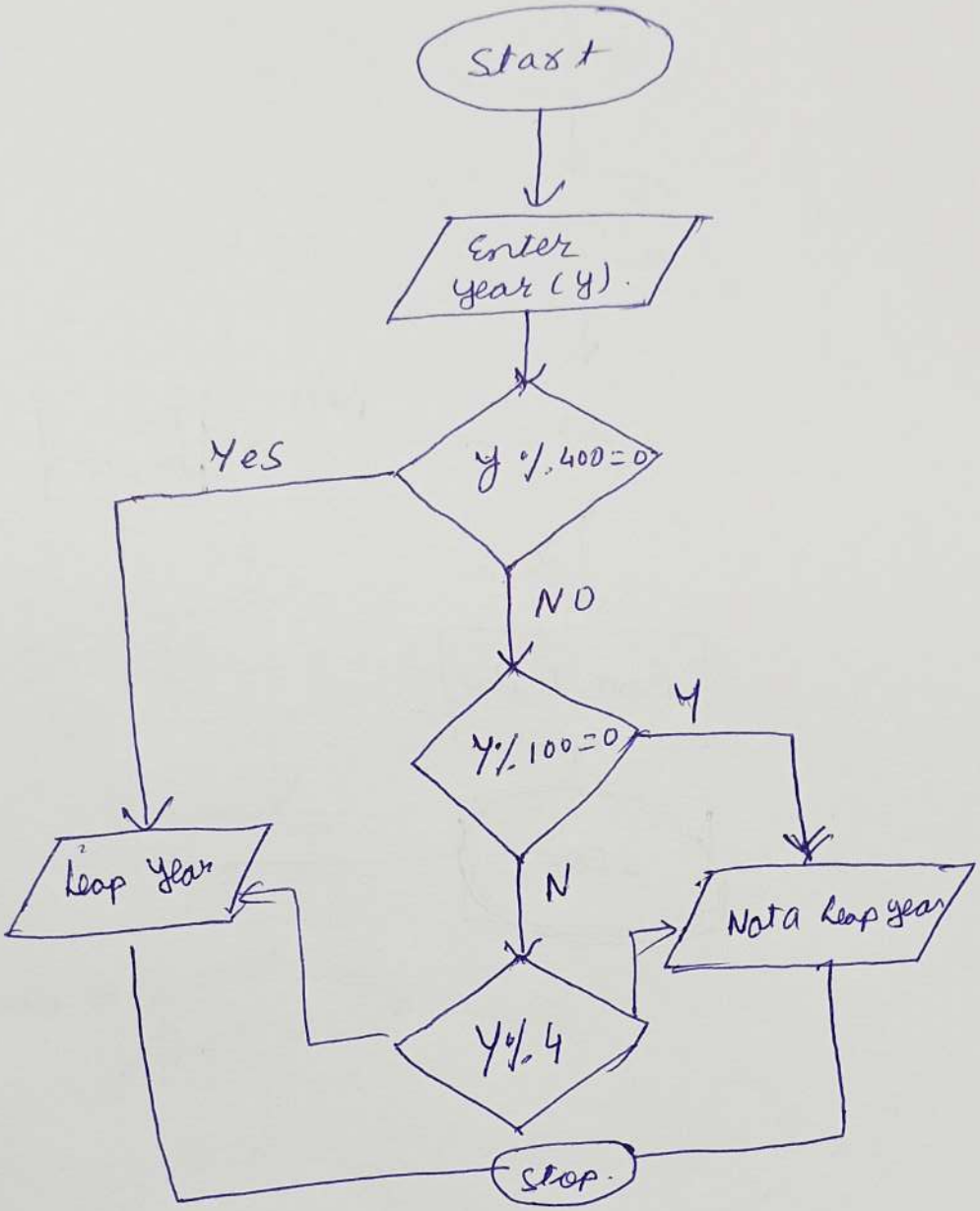
4) Swap two numbers without using the third variable approch.



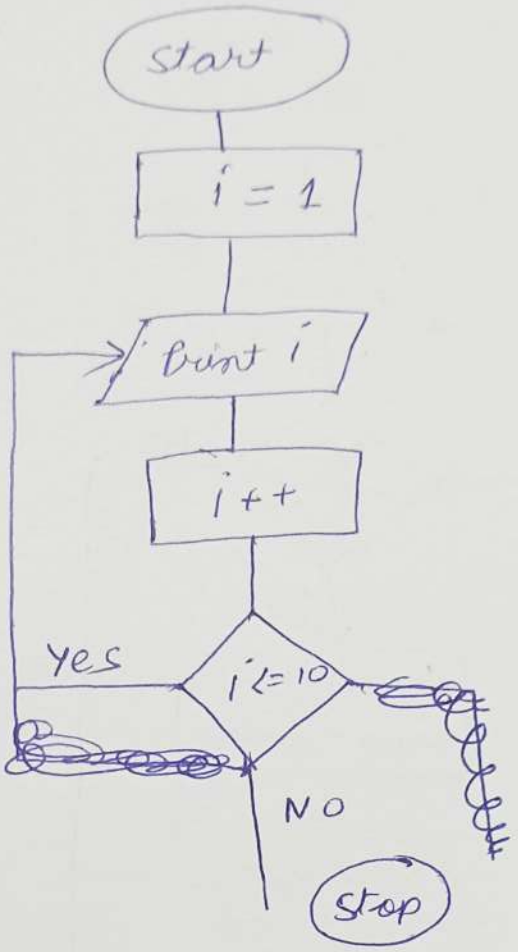
⇨ How to check wheather the given number is Positive or Negative in Java?



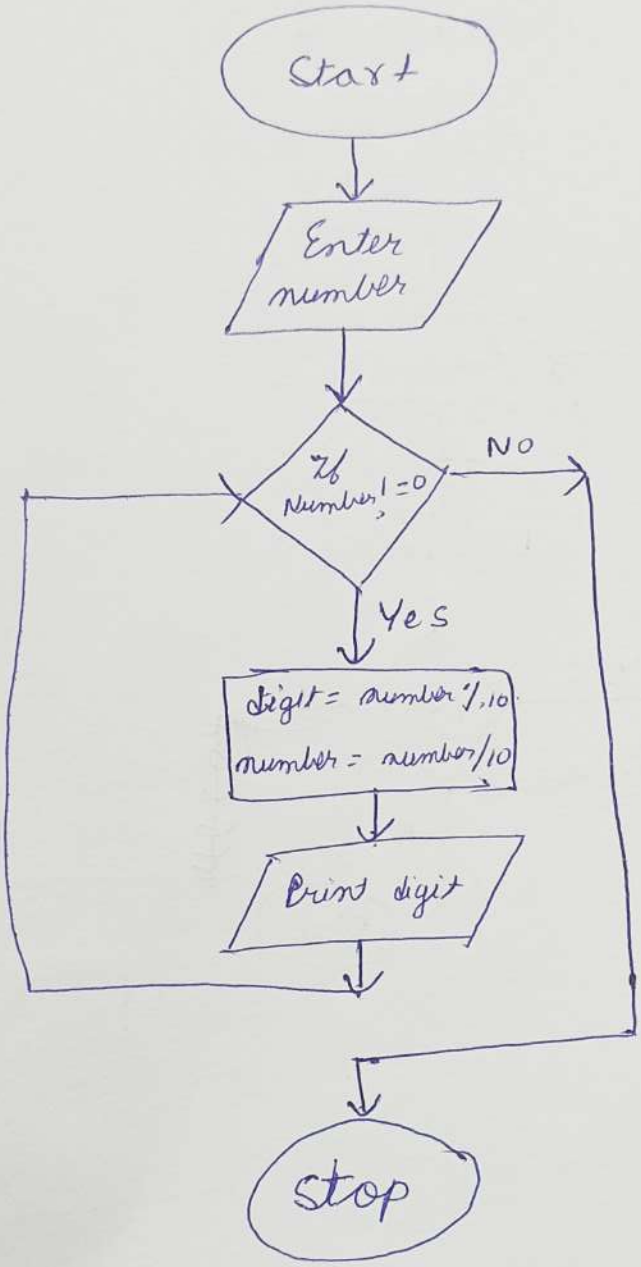
6) Write a Java Program to find wheather a given number is leap year or NOT ?



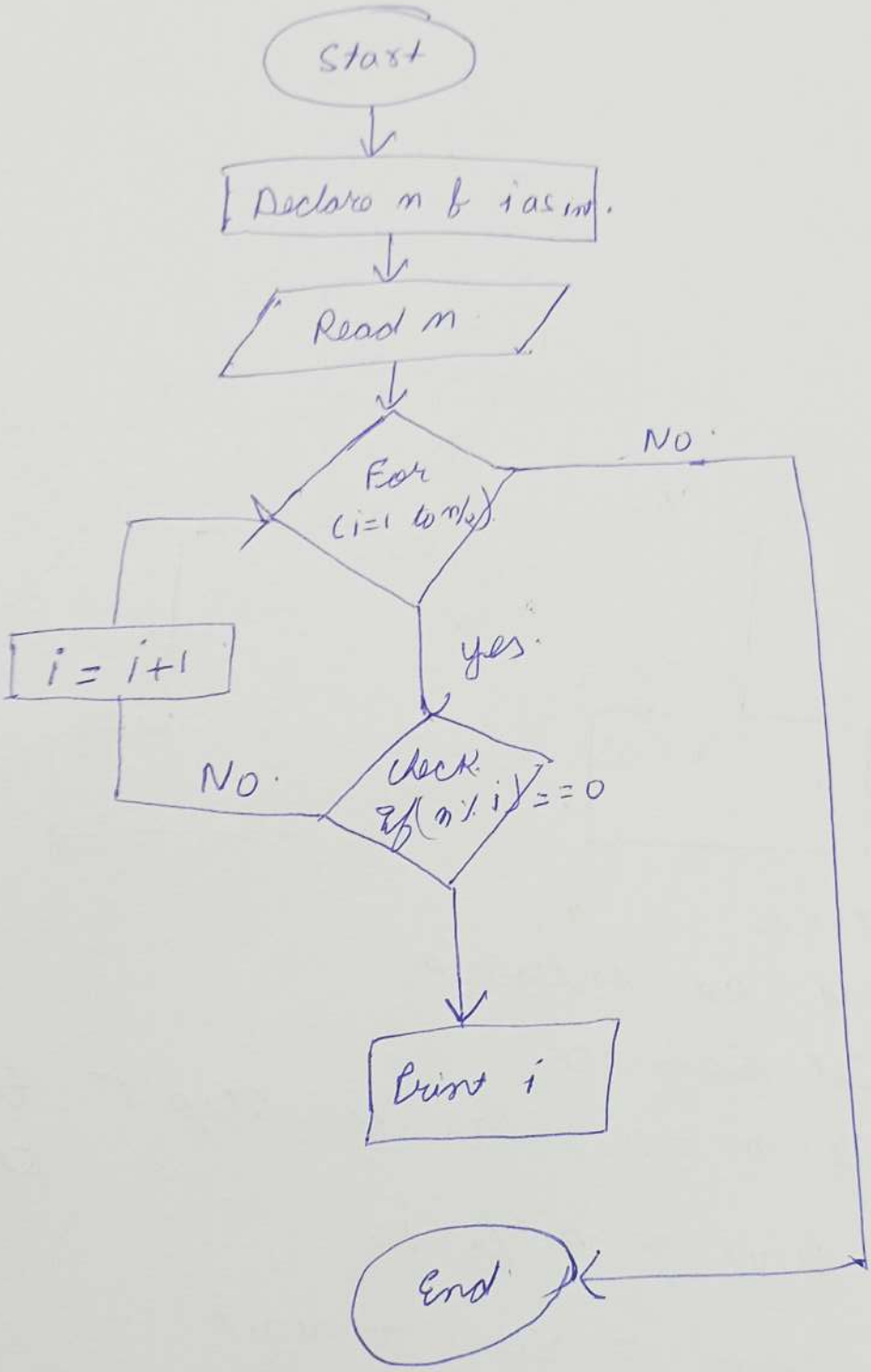
7) write a Java Program to Print 1 To 10 without Using loop ?.



8) Write a Java Program to Print the digits of a Given Number.



9) Write a Java Programm to print all the Factors of a Given number.



10) 1) Start

2) Read an integer n

3) Set Sum = 0

4) If n != 0, Go to step 5 Else go to step 9

5) digit = n % 10

6) Sum = Sum + digit

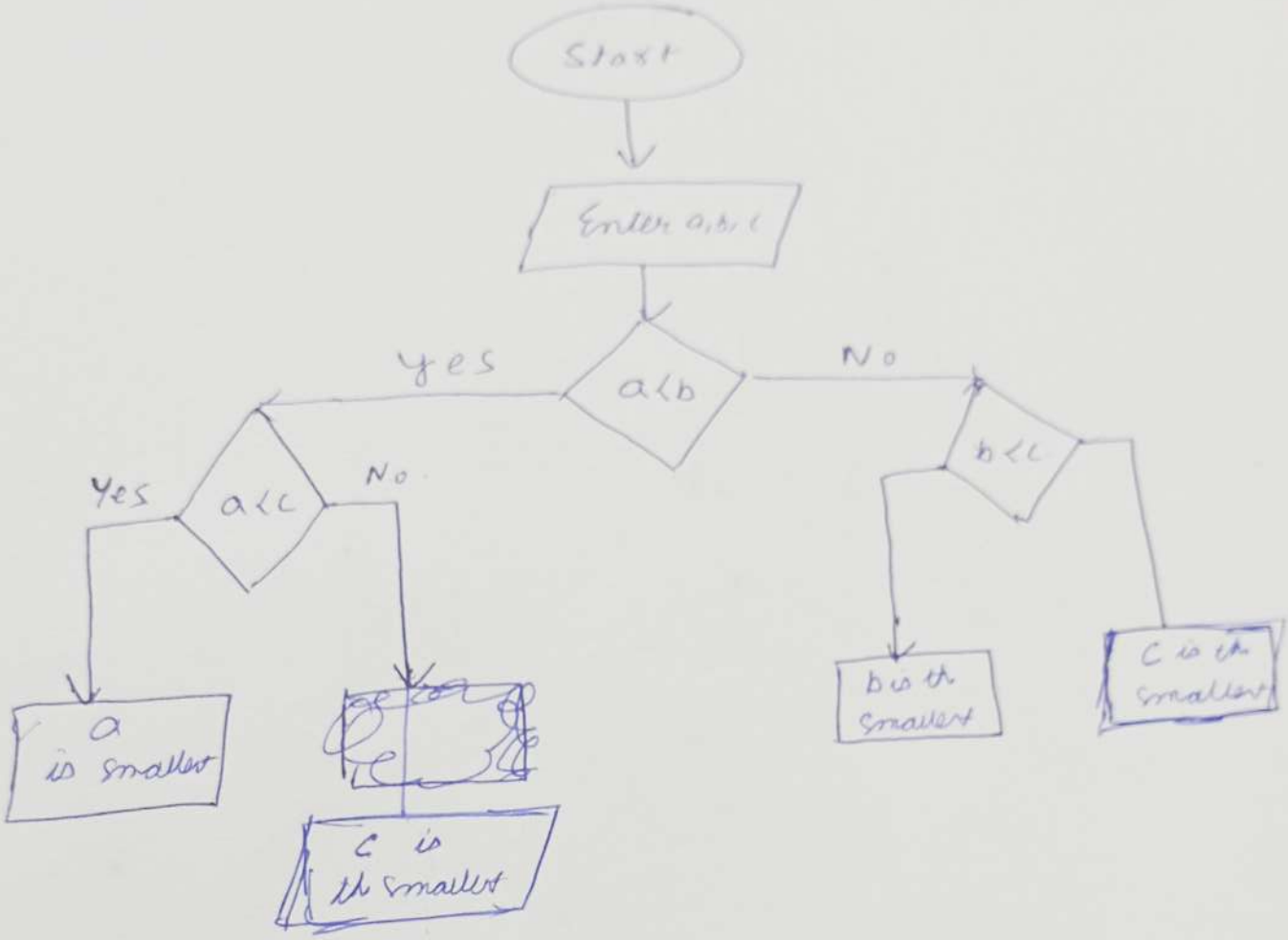
7) n = n/10

8) Repeat step 4.

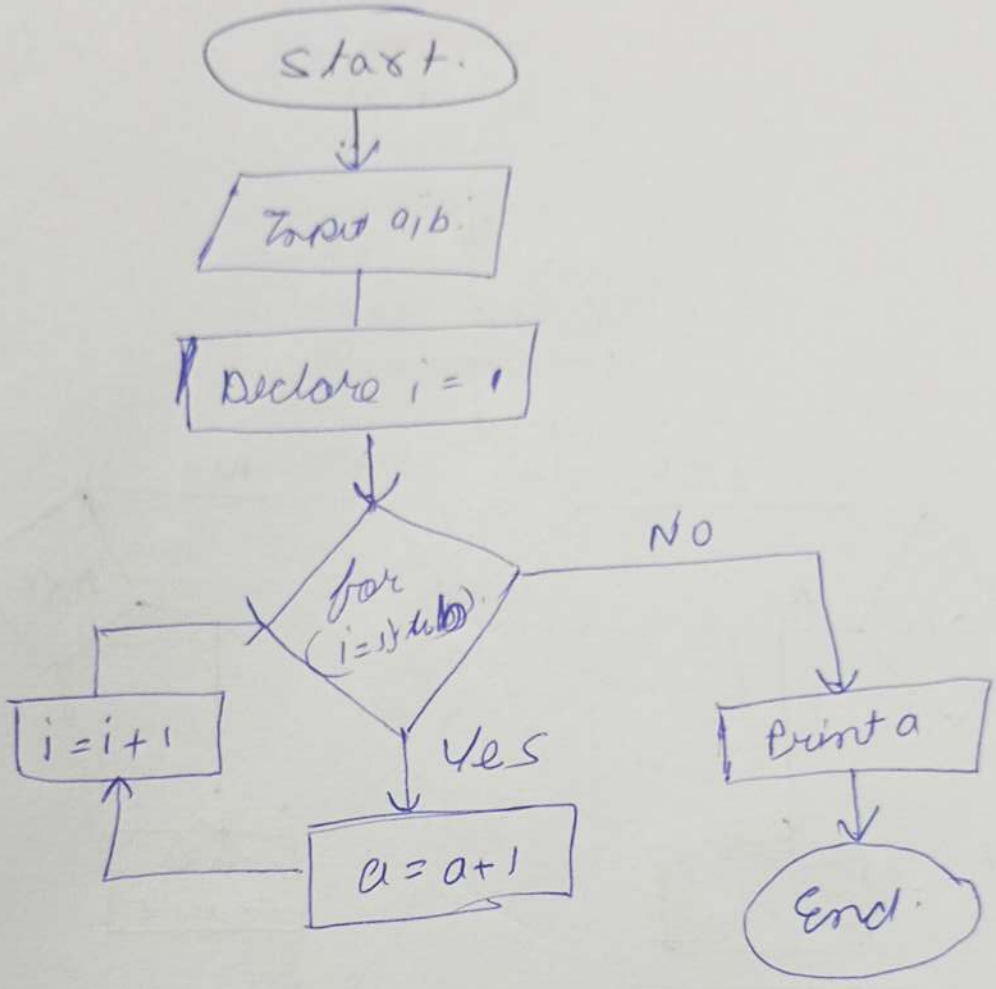
9) Print Sum.

10) End

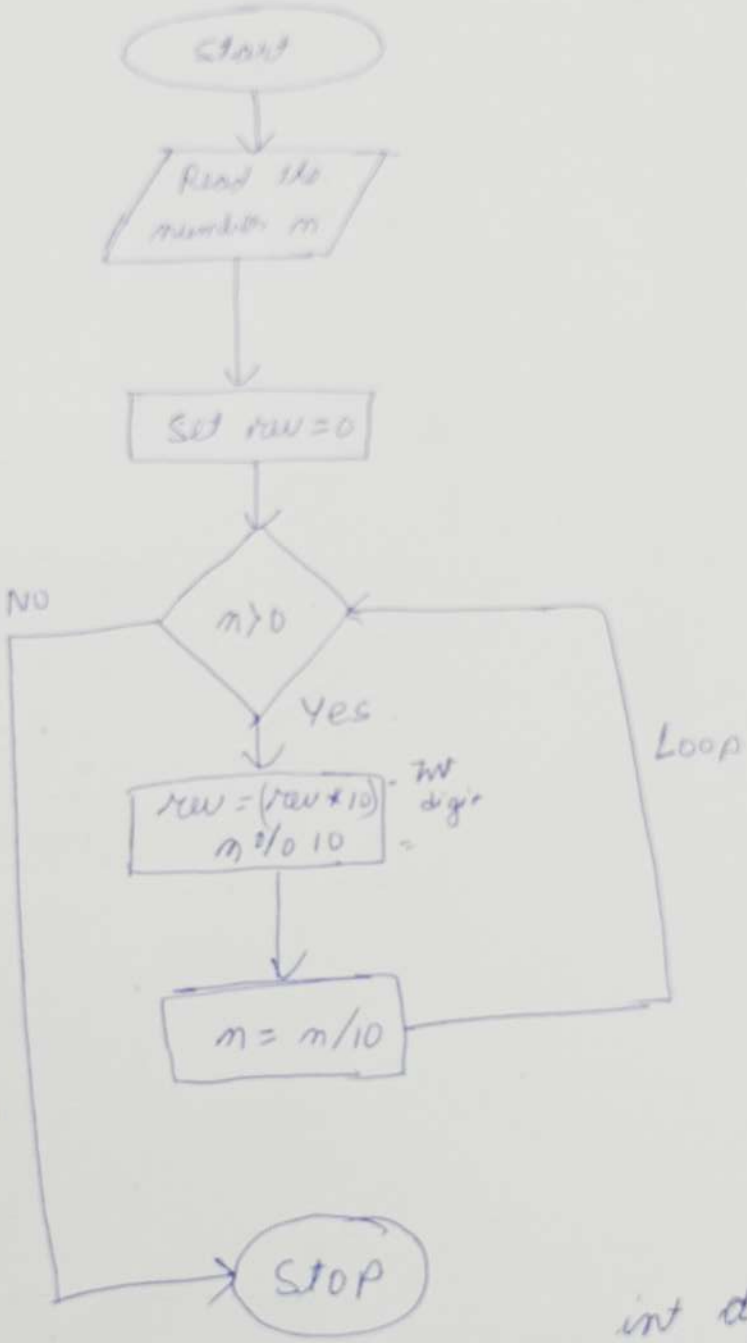
11) Write a Java Program to find the smallest of 3 numbers



12) How to add two numbers without using the Arithmetic operators in Java?



13) write a java program to reverse a given number

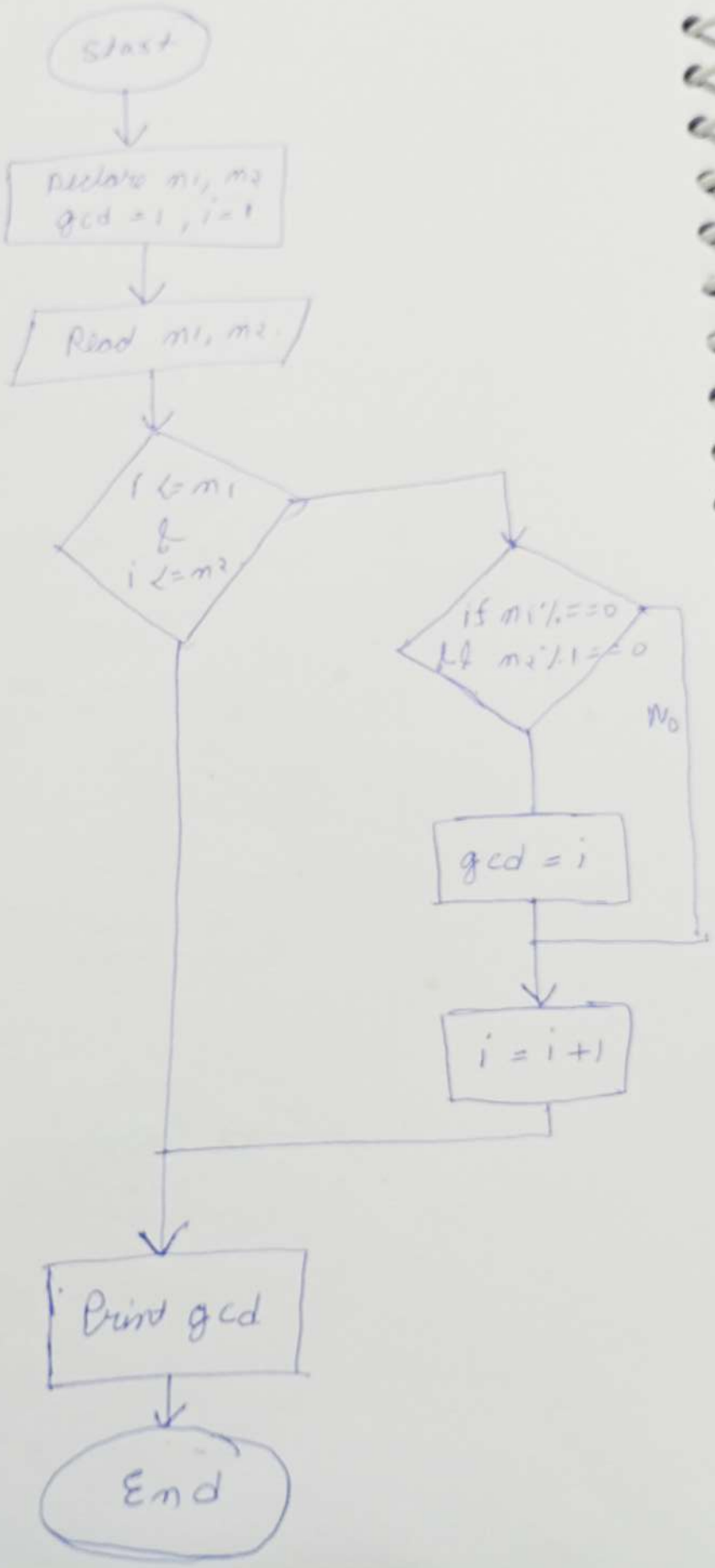


int digit = num % 10;

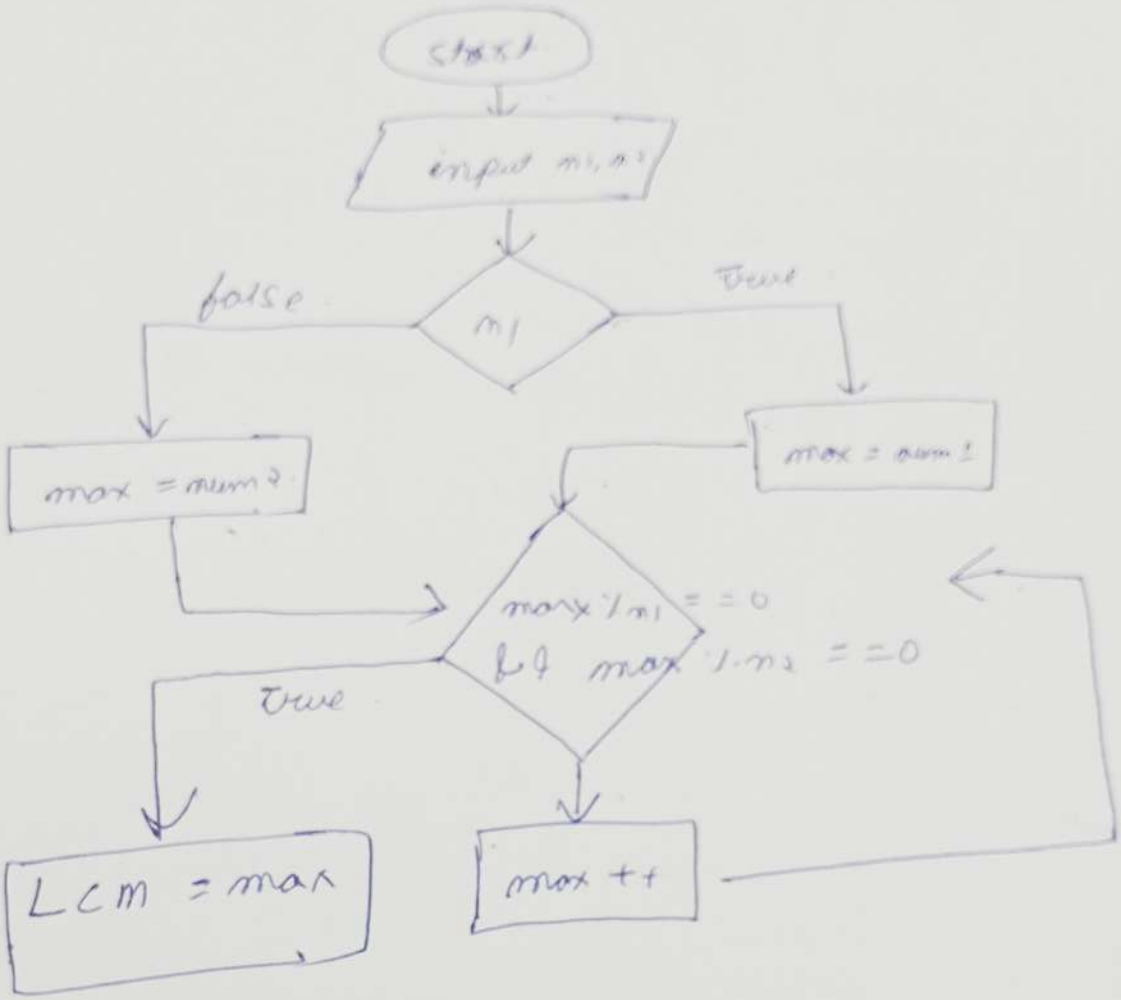
reversed = reversed * 10 + digit;

~~num~~ num /= 10;

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



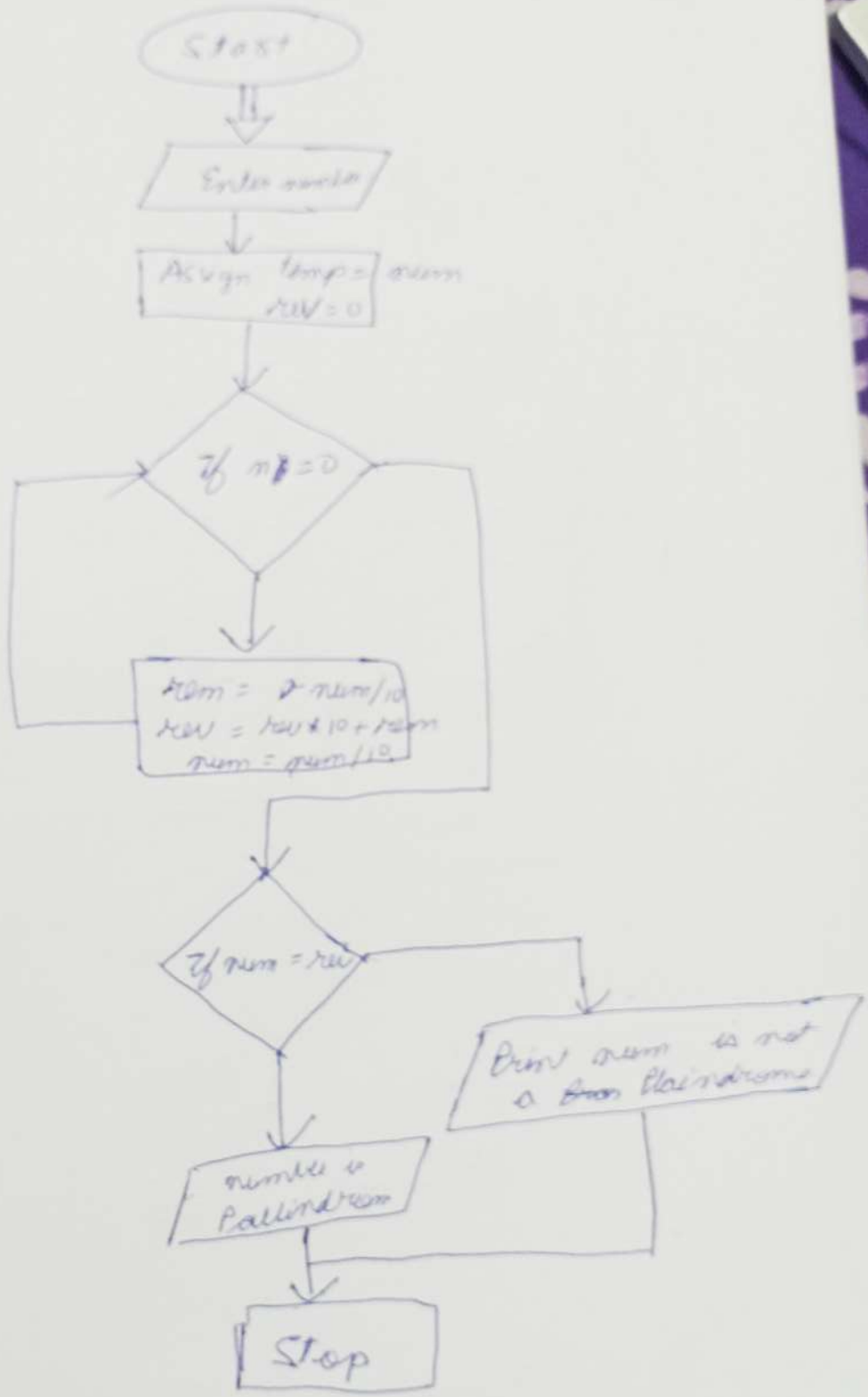
15) Write a Java program to find LCM of two given numbers



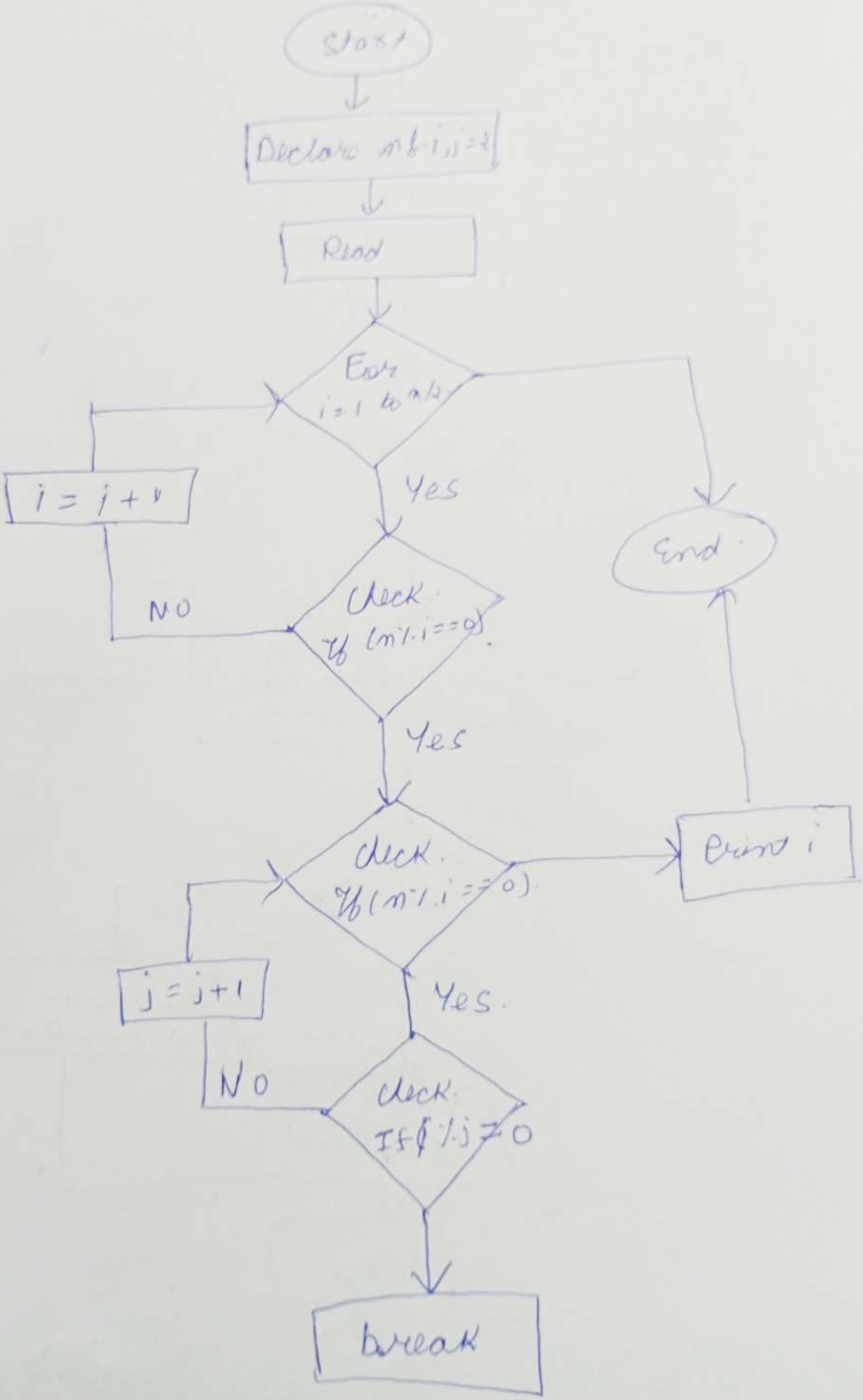
16) Write a java program to find LCM of two given numbers using Prime Factors

1. Start
2. Declare
3. Read n1 and n2
4. call gcd (n1, n2)
5. If (n2 == 0) then return n1 }
6. gcd (n2, n1 % n2),
7. (n1 / gcd (n1, n2)) * n2; ... LCM.
8. End.

14) Check whether the given number is palindrome or not.

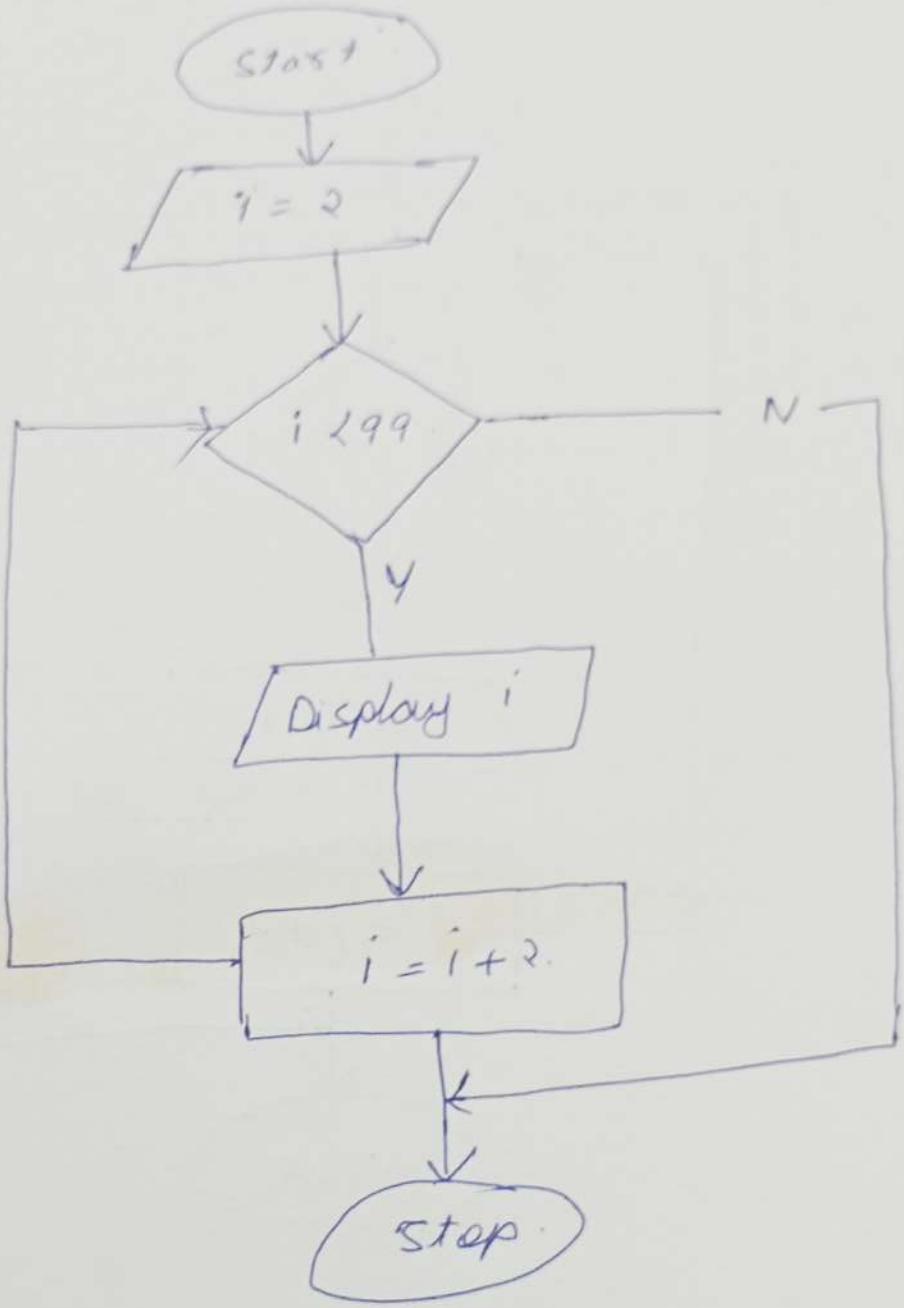


18) Write a Java Program to print all the Prime Factors of the given Number



19) To print the following series Even numbers

Series 2 4 6 8 10 12 14 16



20) To print the following series ODD numbers

Series 1 3 5 7 9 11 13 ...