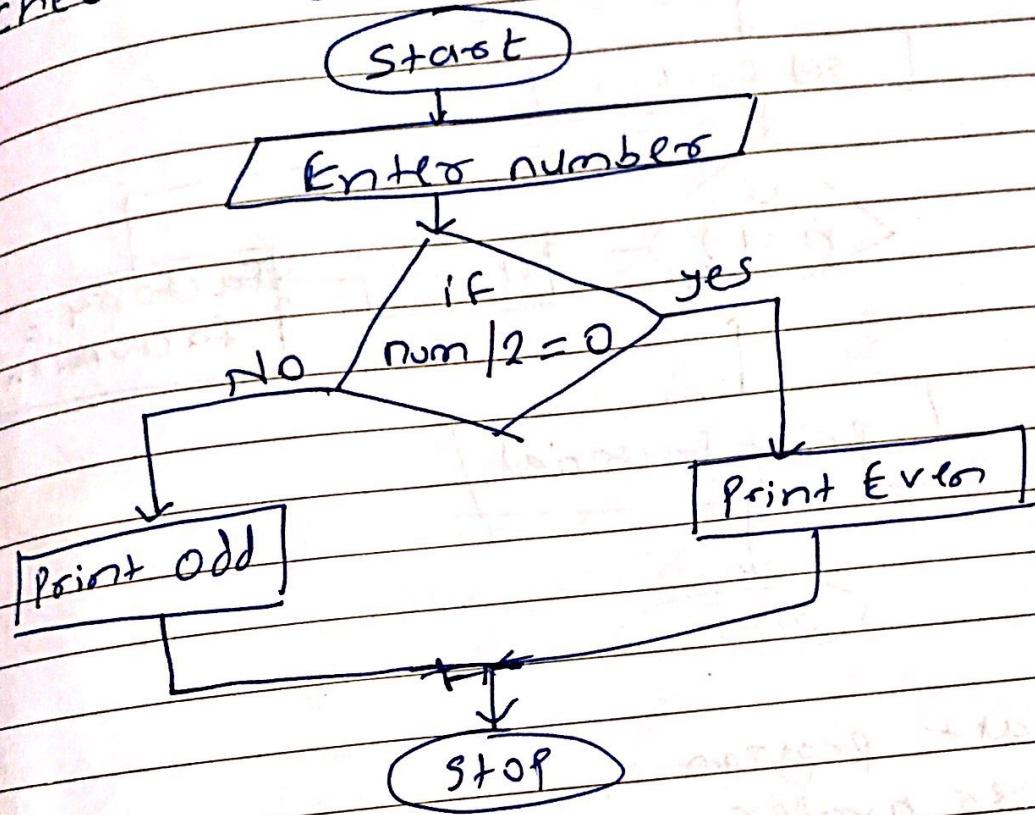


~~class A B C D E~~

d) check the given number is even or odd.



Step 1: start the program

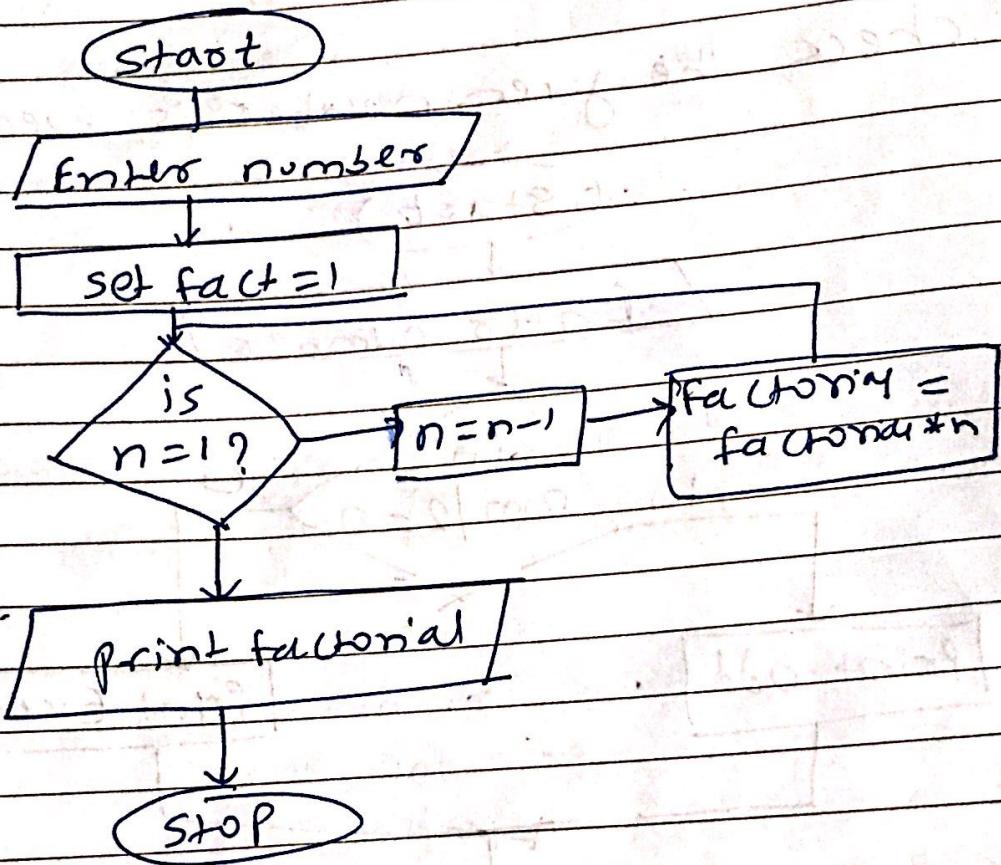
Step 2: Enter number, nnum

Step 3: num/2 = Ans

Step 4: if num Ans = 0 - Print Even
else print odd

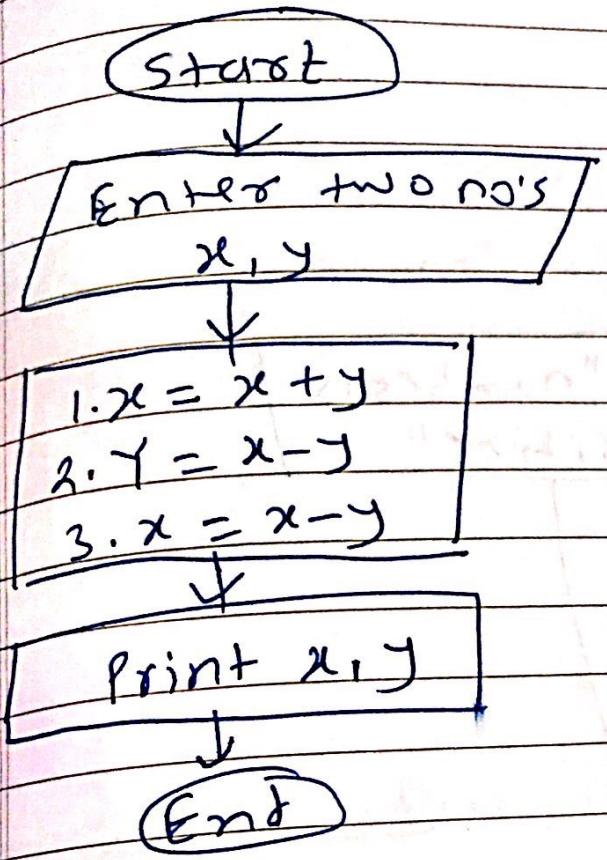
Step 5: End

Q.2 write a java program to find the Factorial of given number



1. Start program
2. Enter number
3. check if $n=1$
4. if yes print factorial else
 $n=n-1$
5. $\text{factorial} = \text{factorial} * n$
6. print factorial
7. end.

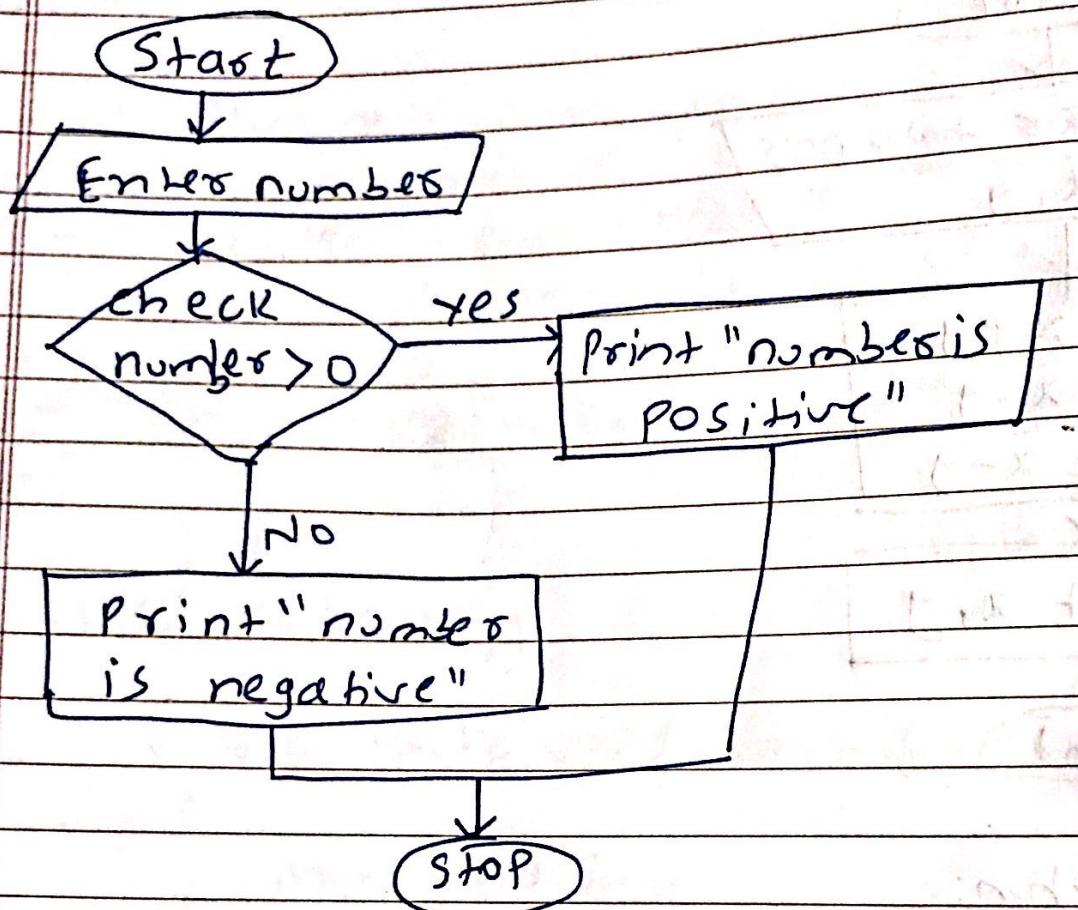
Q.4 Swap two numbers without using third variable approach.



Algorithm:

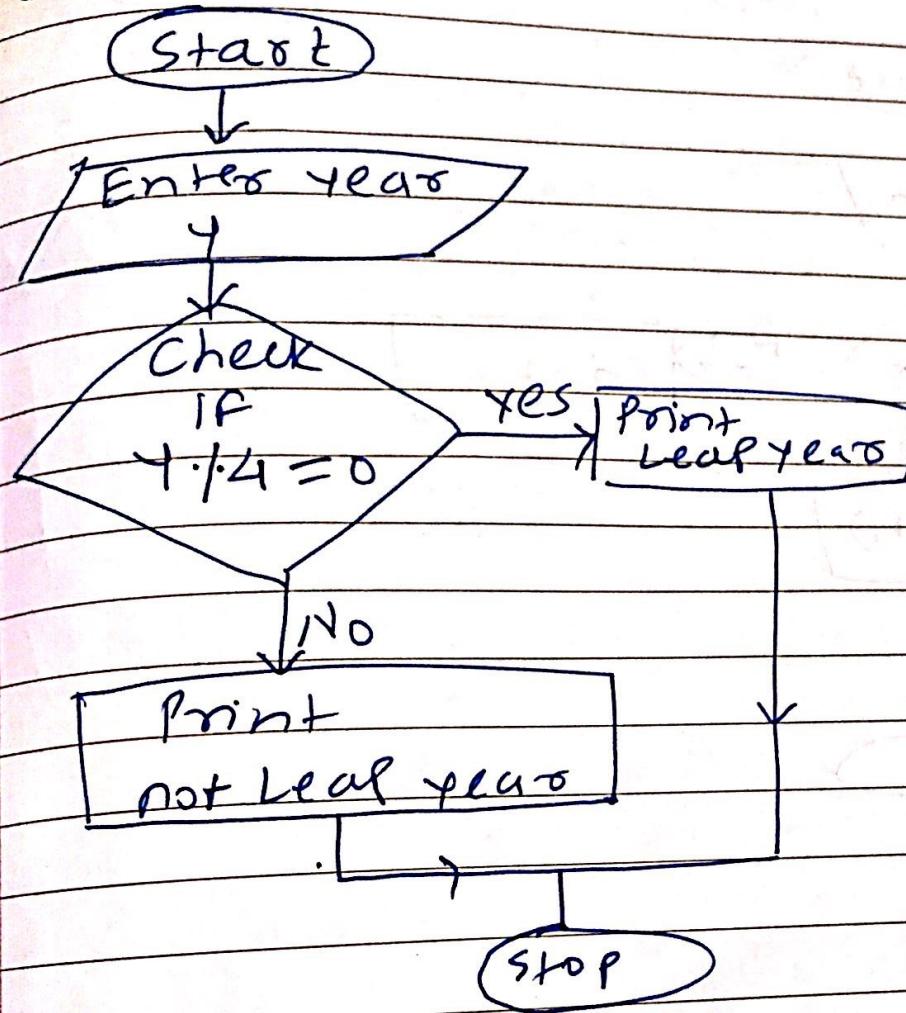
1. Start the program
2. Enter two no's $x \& y$.
3.
 - i) $x = x + y$
 - ii) $y = x - y$
 - iii) $x = x - y$
4. print the value of $x \& y$
5. End.

Q.5 How to check given number is positive or negative in java.



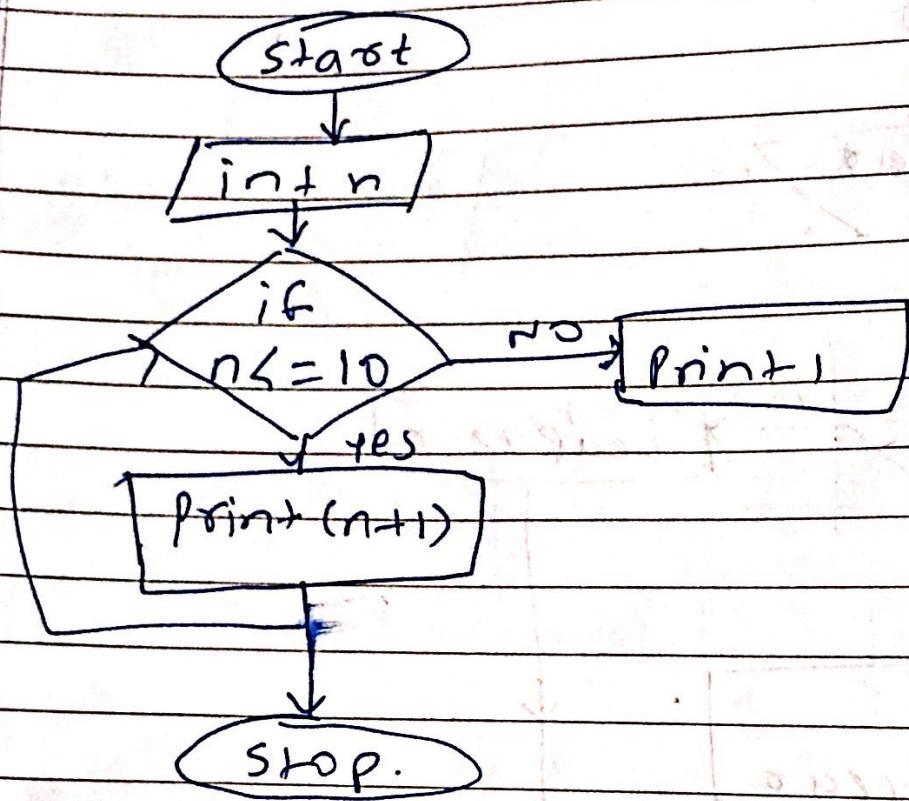
1. start
2. Enter number
3. check if number > 0
 - if yes print number is positive.
 - else print number is negative.
4. stop.

Q.6. write a java program to find whether given number is leap year or NOT?



1. Start program.
2. Enter year 'Y'.
3. Check if year is divisible by 4.
4. if yes Print year is leap.
5. if no print year is not leap year.
6. End.

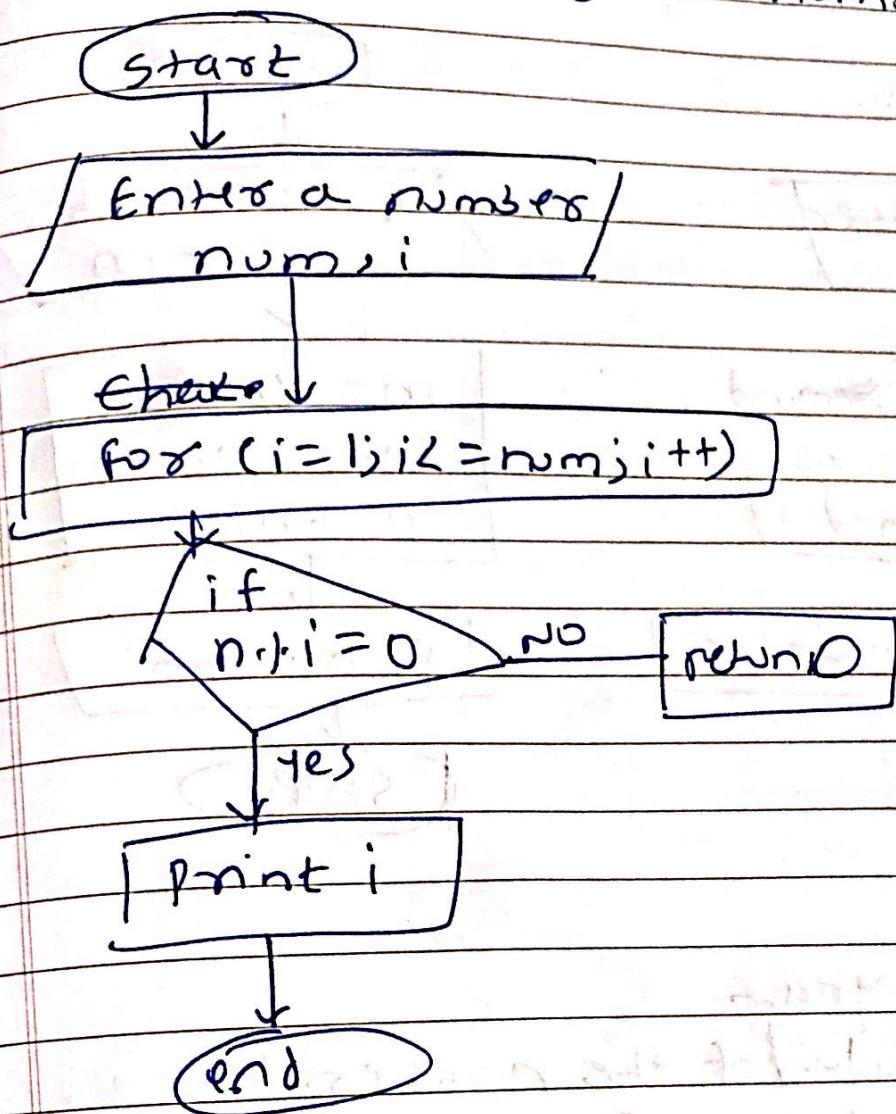
Q.7. write a java program to print 1 to 10 without using loop.



* Algorithm:

1. Start
2. declare int n
3. compare if $n \leq 10$
 - if yes: Print $n + 1$
 - else Print 1
4. Stop.

Q.8 write a java program to print the all the factors of given number.

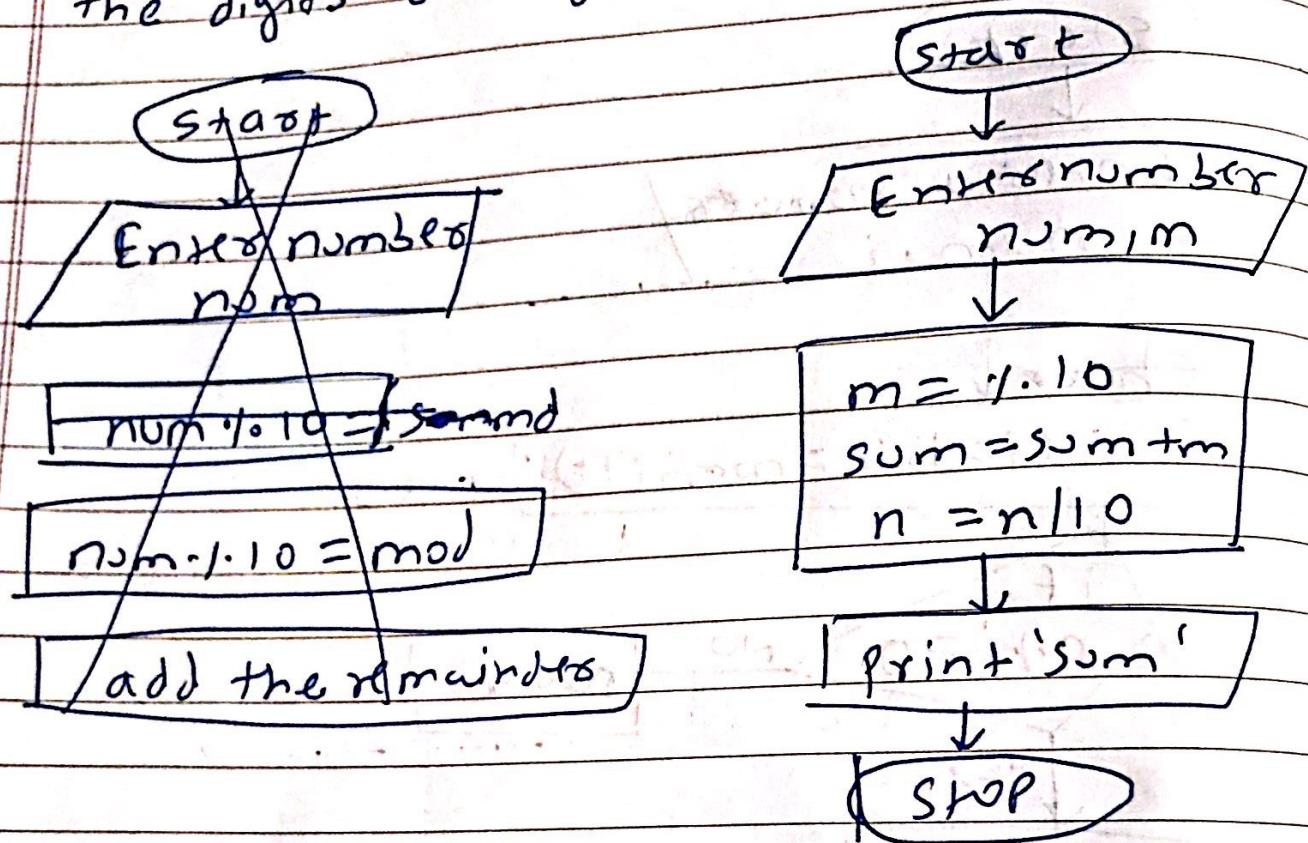


Algorithm:

1. Start the program
2. Enter positive integer
3. For $i = 1; i \leq \text{num}; i++$
4. check if $n \% i == 0$
 if yes print ' i '
 else
 return 0.

5. End.

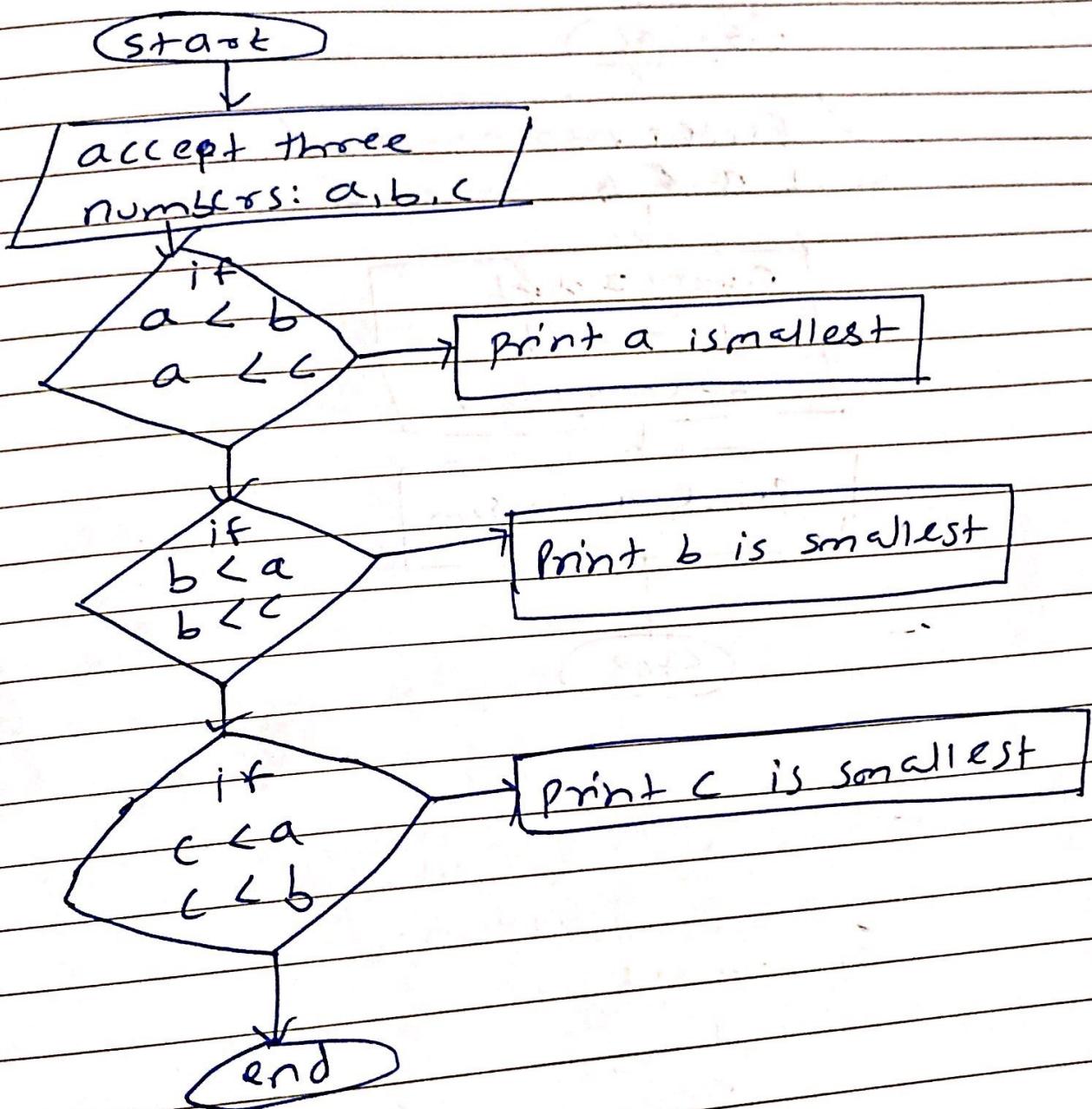
Q.10 write a java program to find sum of the digits of given number.



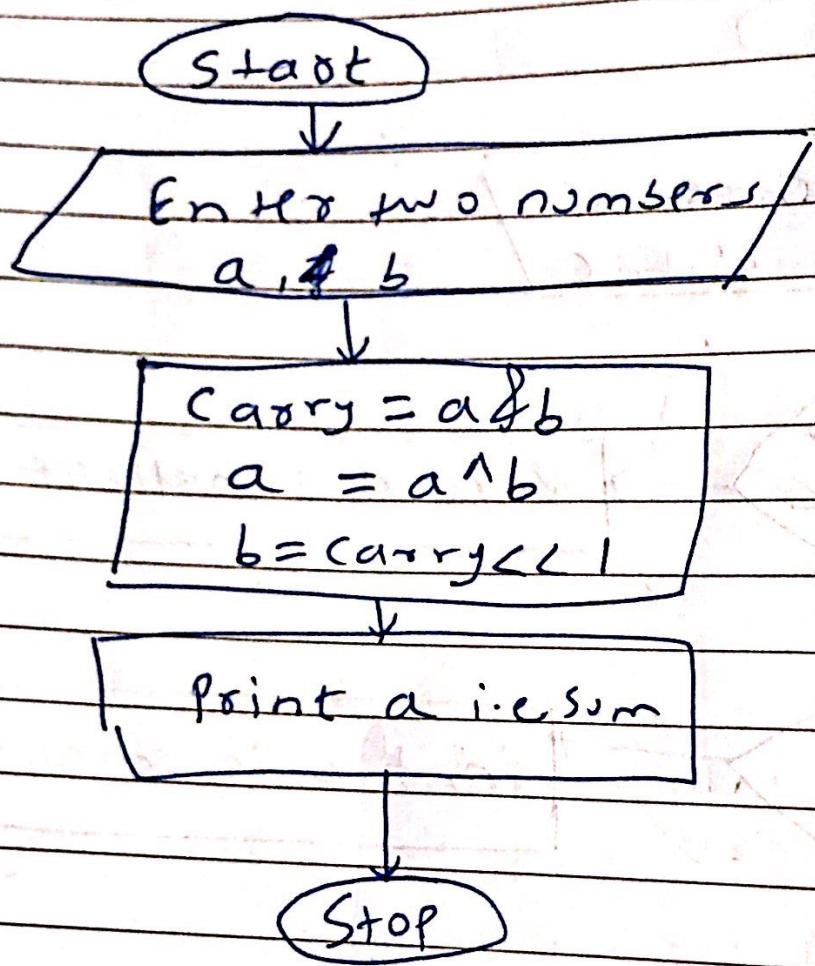
Algorithm:

1. Start the program
2. Get the modulus of the number.
3. add the modulus of numbers.
4. Divide number by 10 .
5. repeat step 2 while num is greater than 0.
6. STOP.

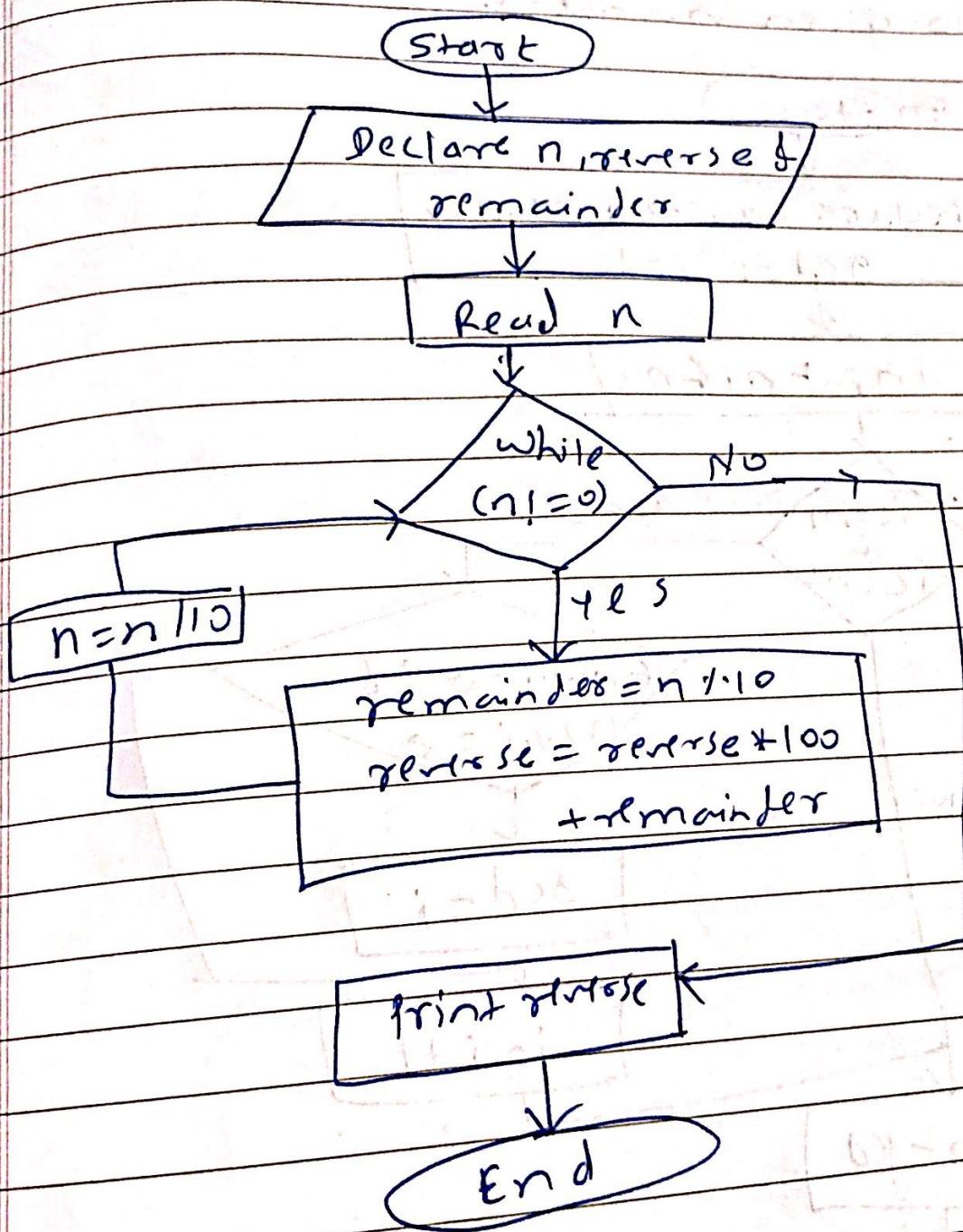
Q.11 write a java program to find the smallest of 3 numbers (a,b,c)



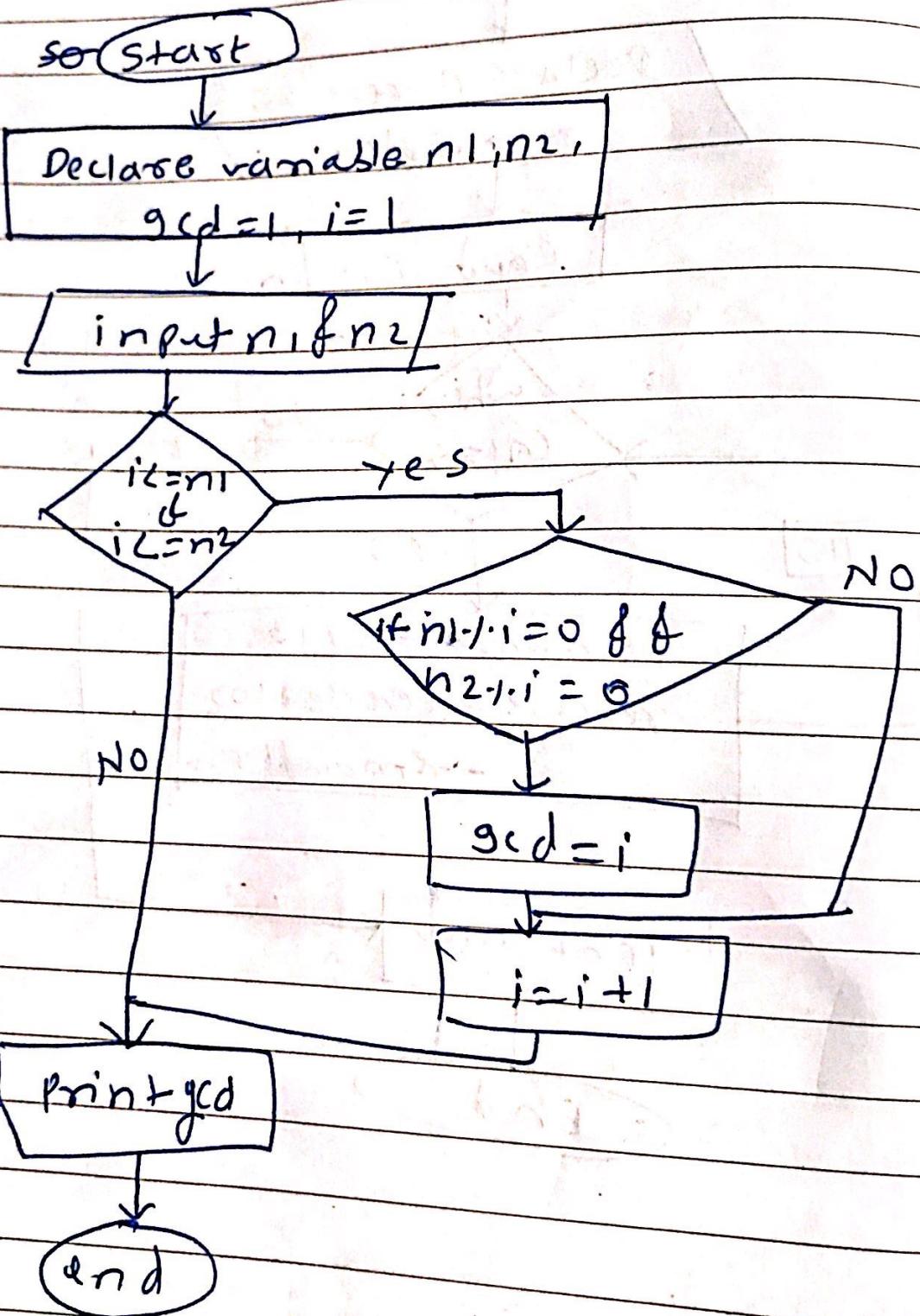
Q.12 How to add two numbers in java without using arithmetic operators.



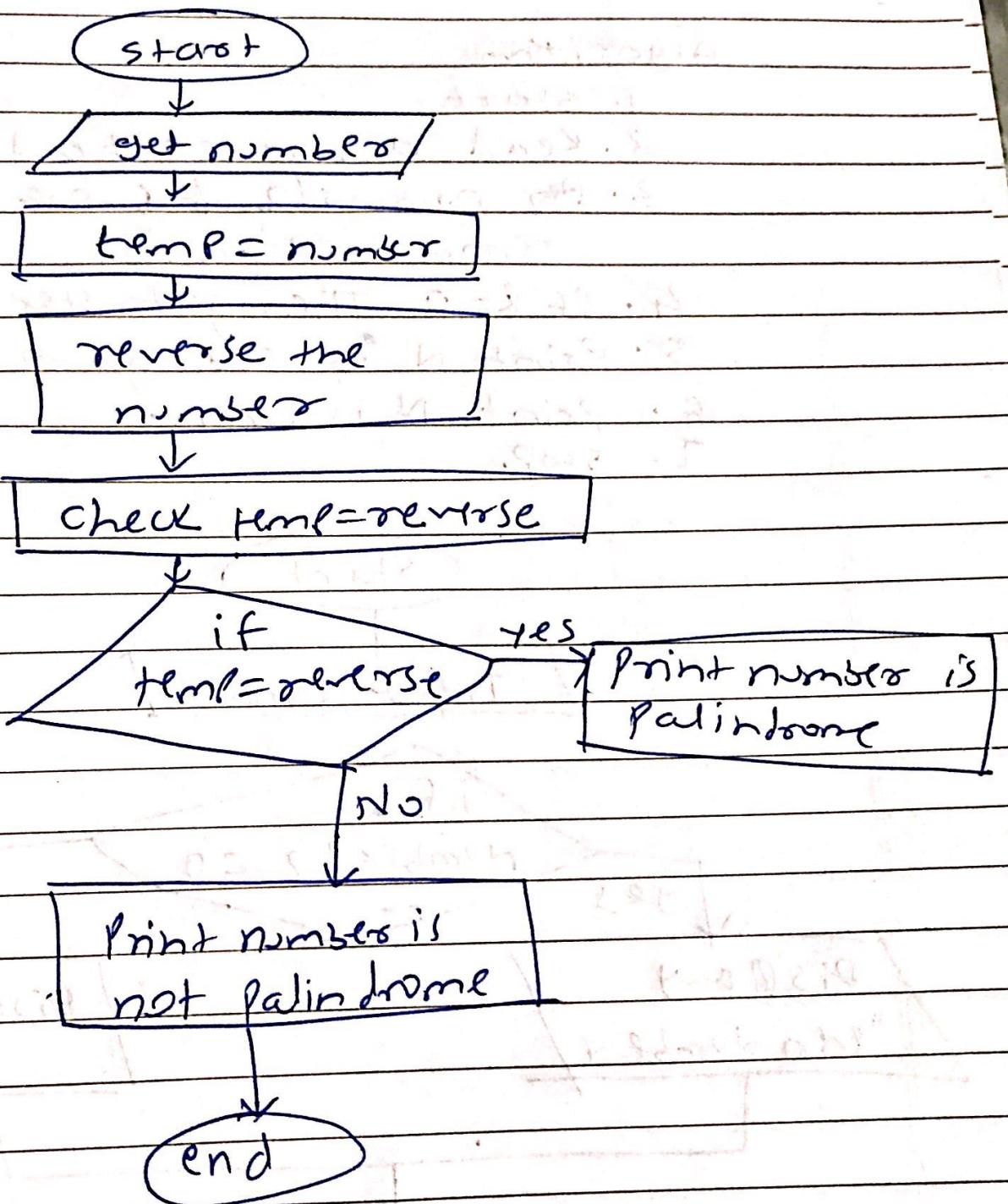
Q.13 write a Java program to reverse a given number.



Q.14 Write a Java program to find GCD of two given numbers.



if check whether the given number is palindrome or not.



Q.19 To print the following series Even numbers
20 series 2, 4, 6, 8, 10, 12, 14, 16...
20

Algorithm

1. start
2. Read a number N to n .
3. ~~Div~~ $n / 2$ & store the remainder in R .
4. if $R = 0$ Then go to step 6
5. Print n is odd go to step 7.
6. Print n is even.
7. stop.

