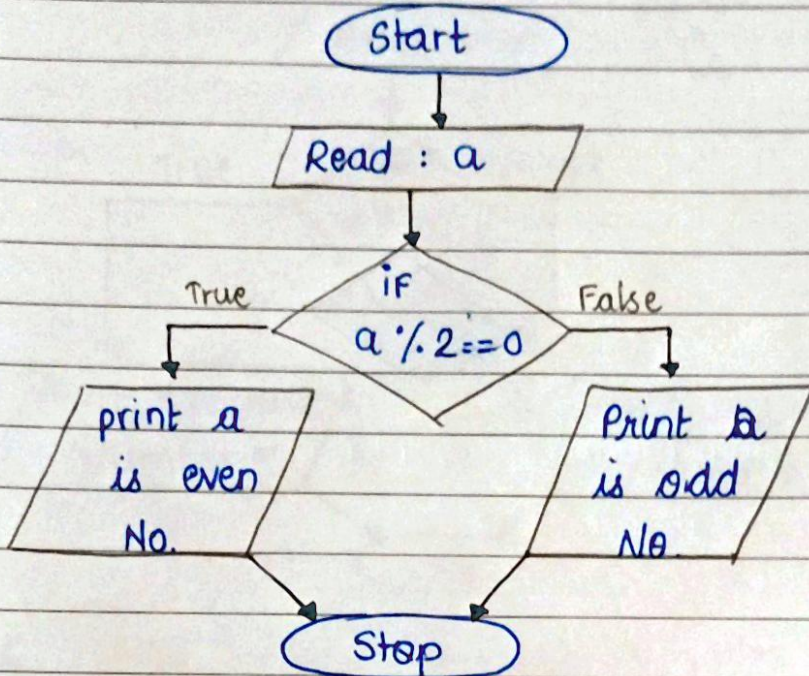


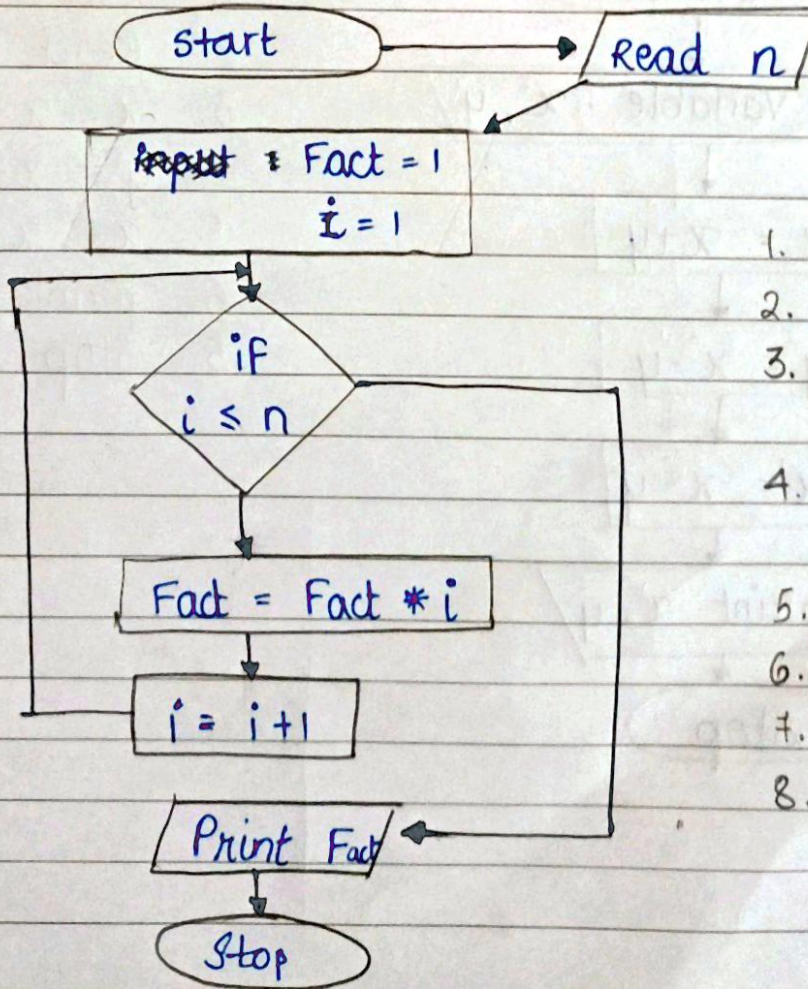
Assignment - 1

Q1. check if the given no. is Even or Odd ?



1. Start
2. Read a
3. If $a \% 2 == 0$
print a is even No.
4. else print a is
odd No.
5. Stop

Q2. Write a java program to find the factorial of given number.



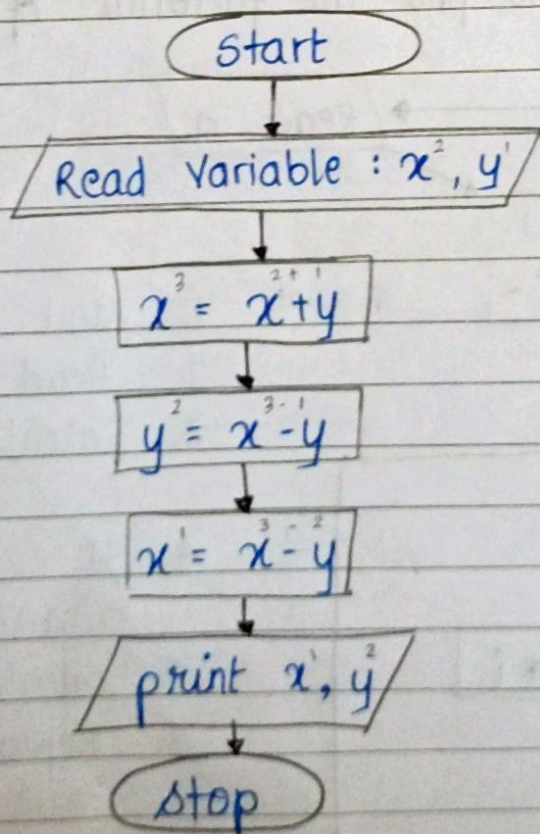
1. Start
2. Read n
3. Calculate Fact = 1
 $i = 1$
4. If $i \leq n$ then
calculate Fact = Fact * i
5. calculate $i = i + 1$
6. Repeat the step
7. Print Fact
8. Stop

Q3. Find the factorial of a number using Recursion?

→

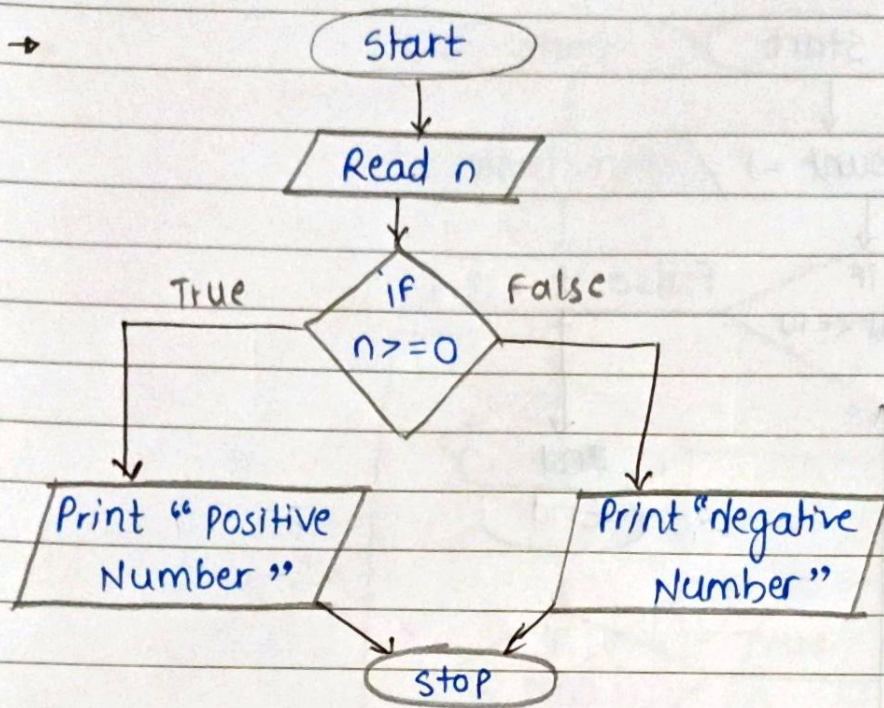
Q4. Swap two numbers without using the third Variable?

→

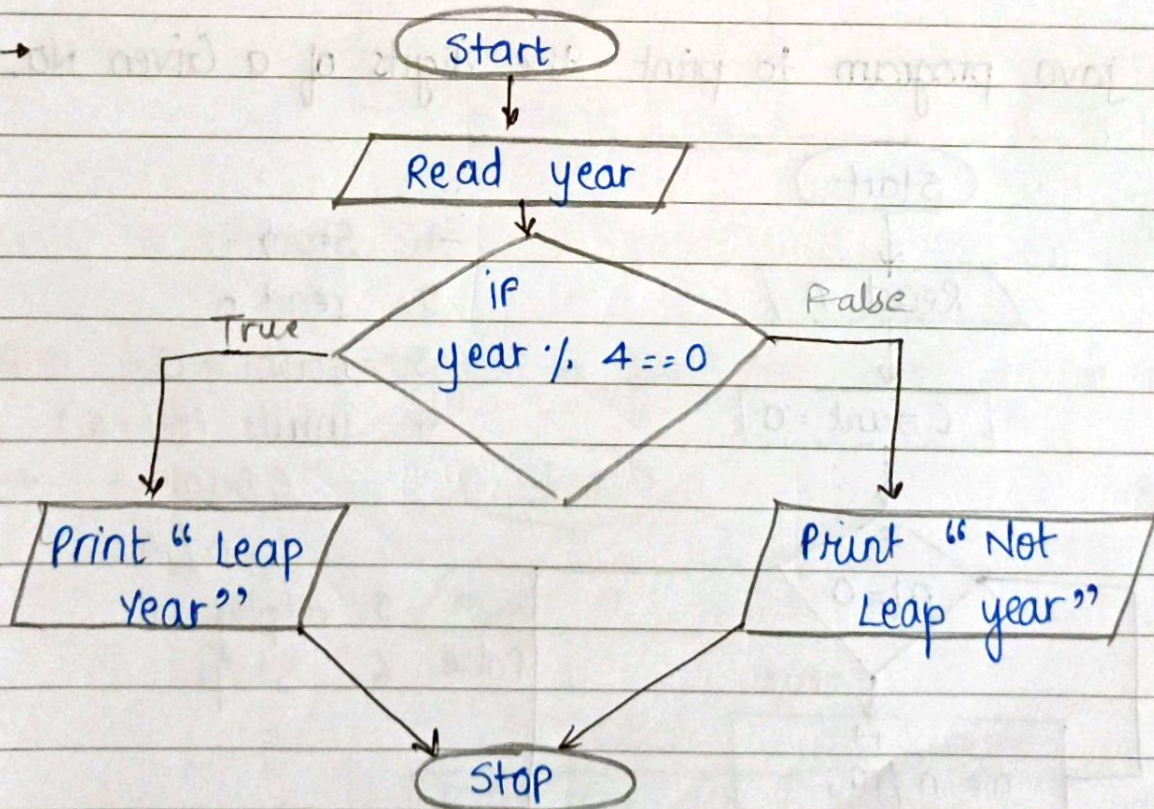


1. start
2. Read x, y
3. $x = x + y$
4. $y = x - y$
5. $x = x - y$
6. print x, y
5. Stop

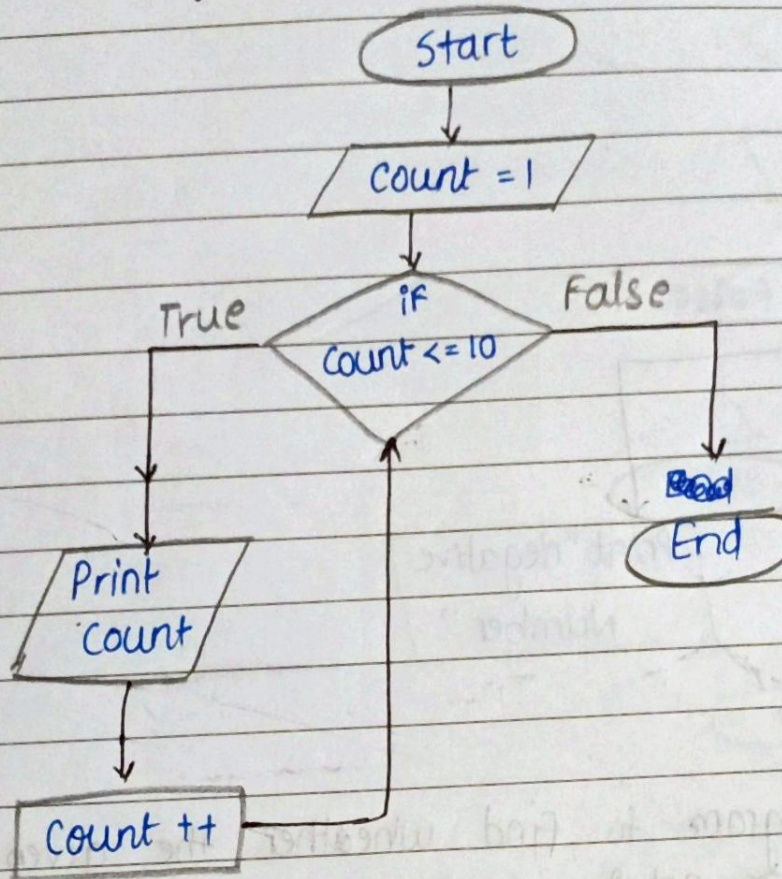
Q5. How to check whether the given no. is +ve or -ve?



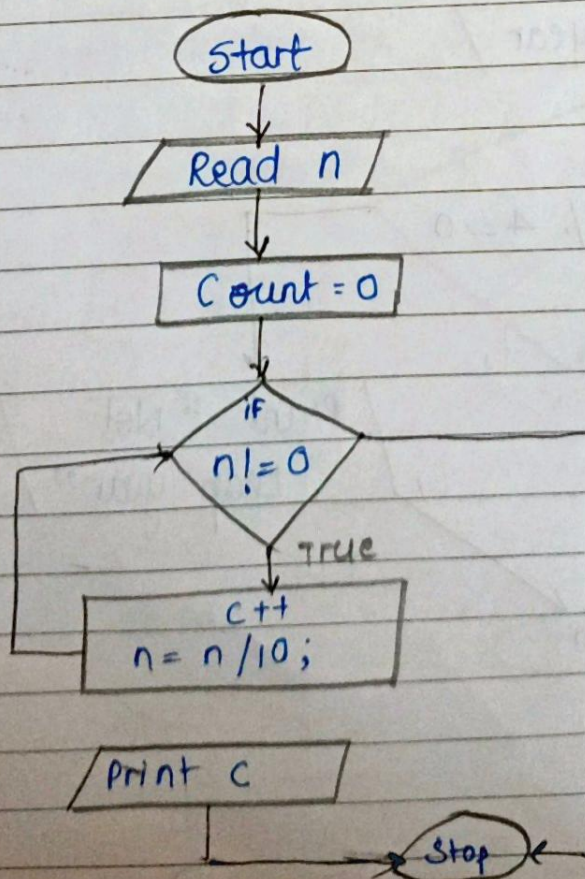
Q6. Write a java program to find wheather the given no. is leap year or not?



Q7. Write a program to print 1 to 10 without using loop?

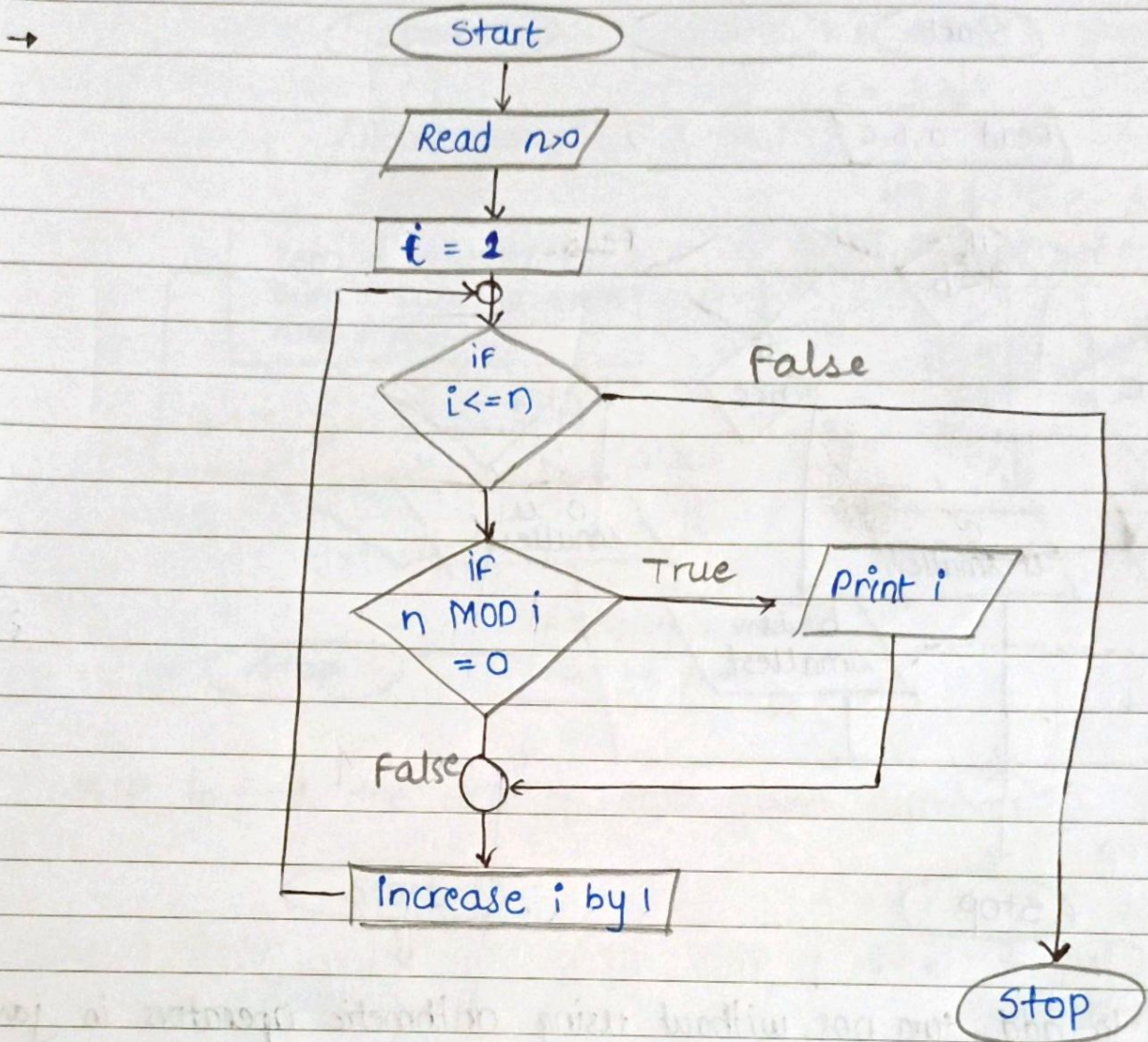


Q8. Write a java program to print the digits of a Given No.

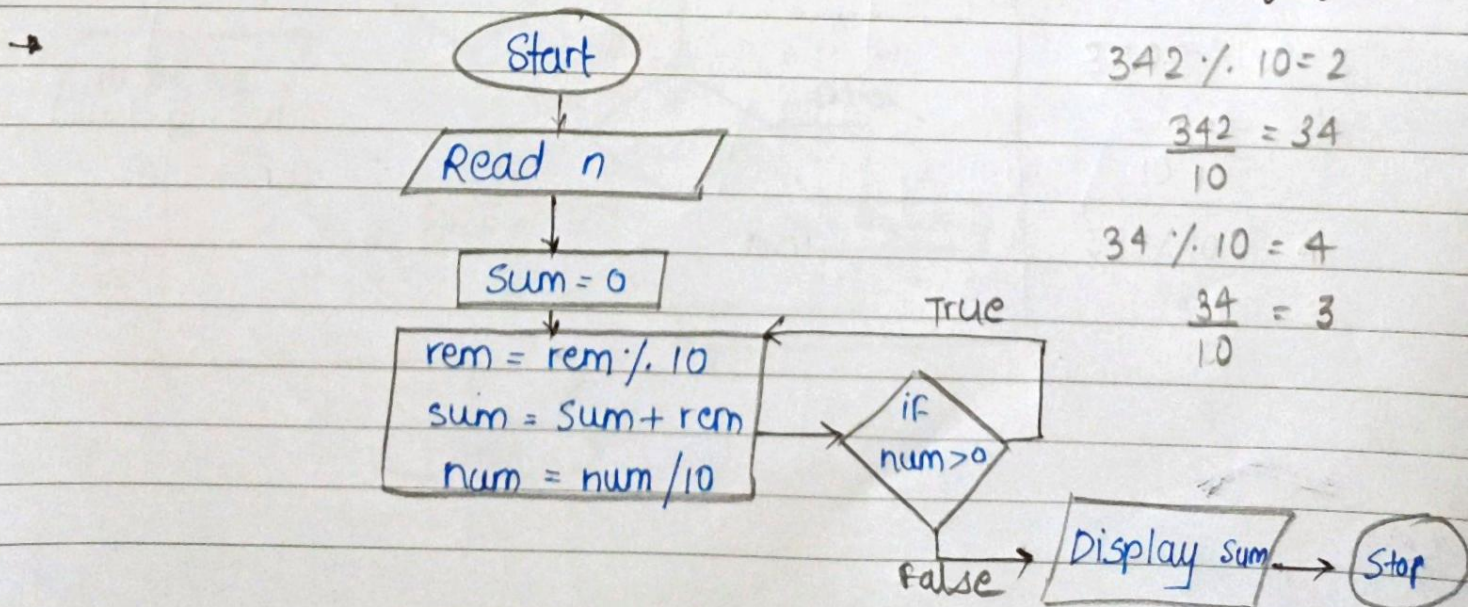


1. Start
2. read n
3. count = 0
4. while (n != 0)
 - count++
 - n = n / 10
5. display c
6. Stop

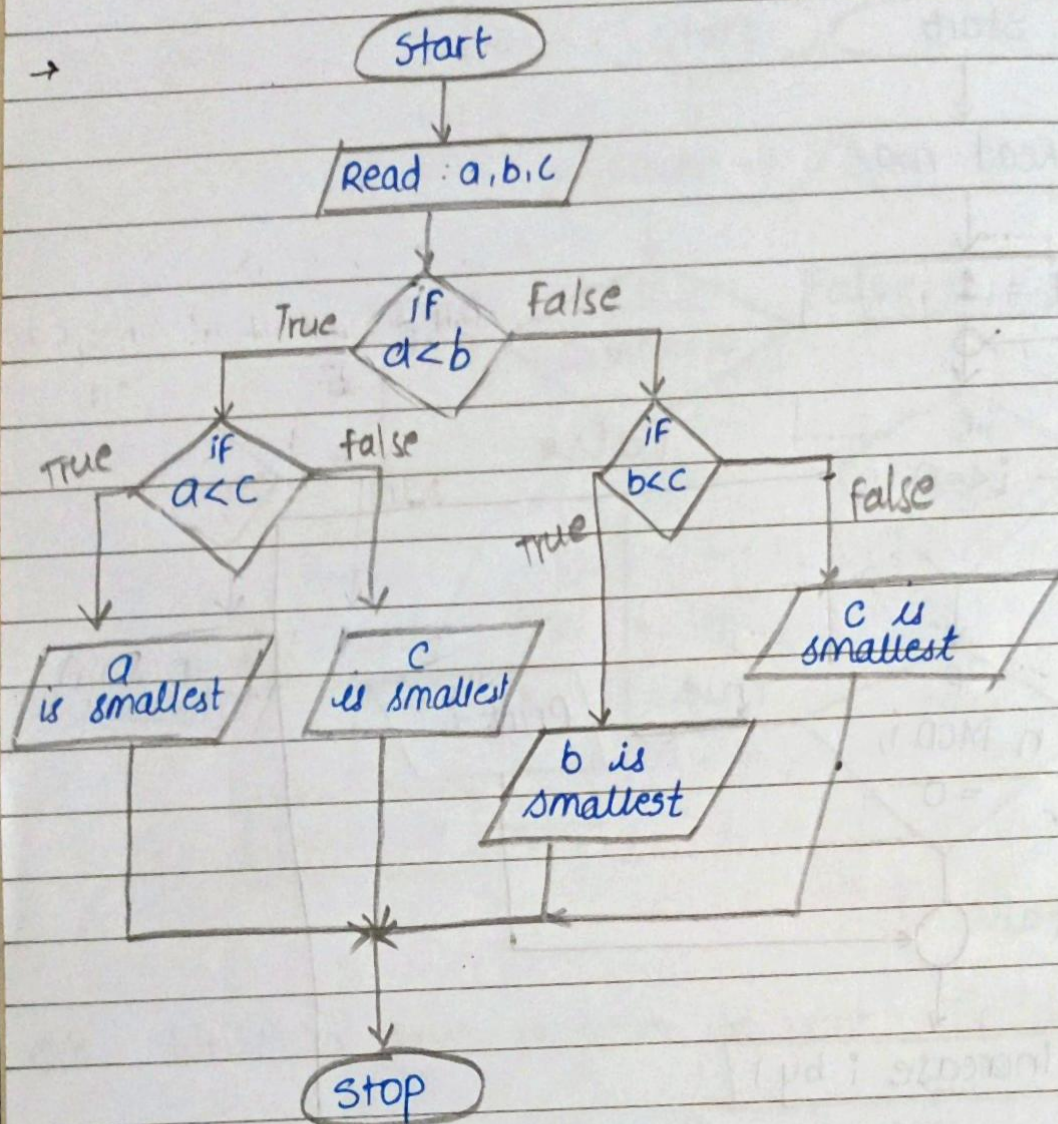
Q9. Write a java program to print all the factors of the given no.?



Q10. Write a program to find the sum of the digit of given no



Q11. WAIP to find the smallest of 3 numbers (a,b,c)?

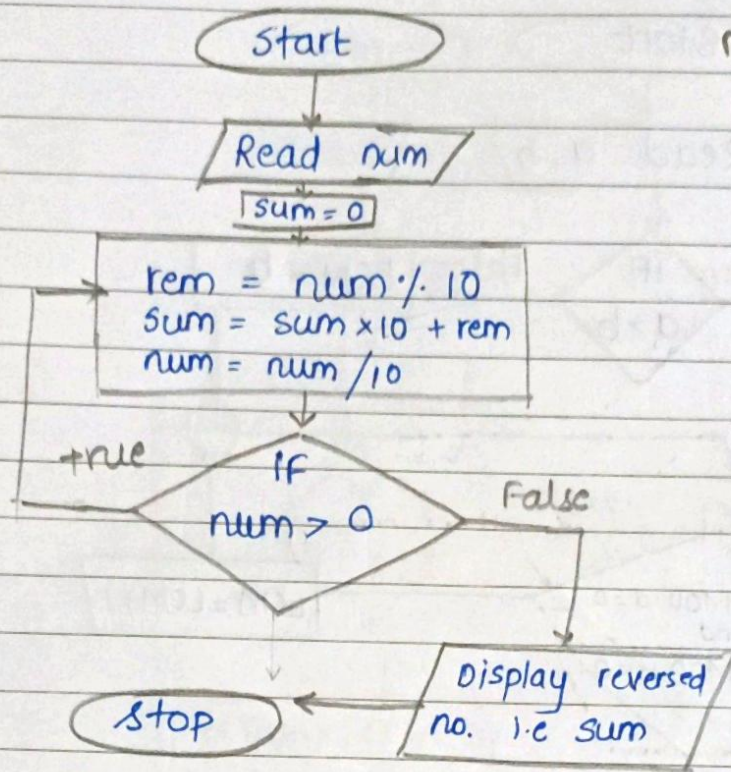


Q12. How to add two nos. without using arithmetic operators in java?

→

Q13. WAJP to reverse a given number?

→



$$n = 423$$

$$r = 324$$

$$423 \div 10 = 3$$

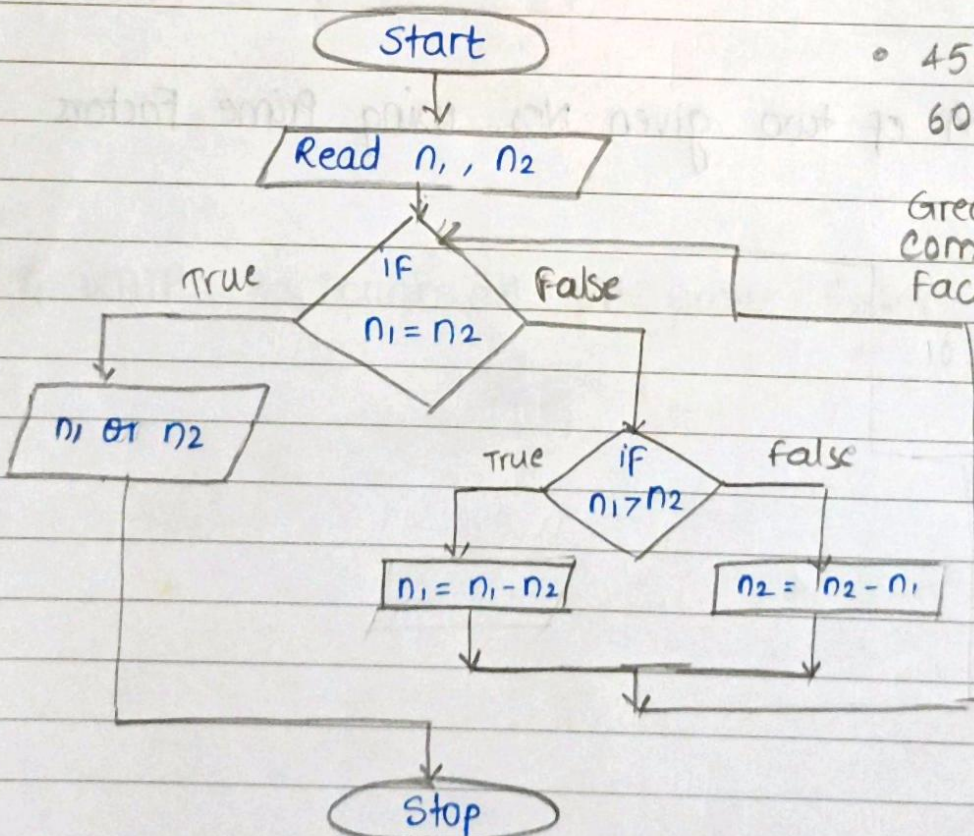
$$\text{sum} = 0 \times 10 + 3 = 3$$

$$\frac{423}{10} = 42$$

Repeat the process

Q14. WAJP to find the GCD of two given numbers?

→

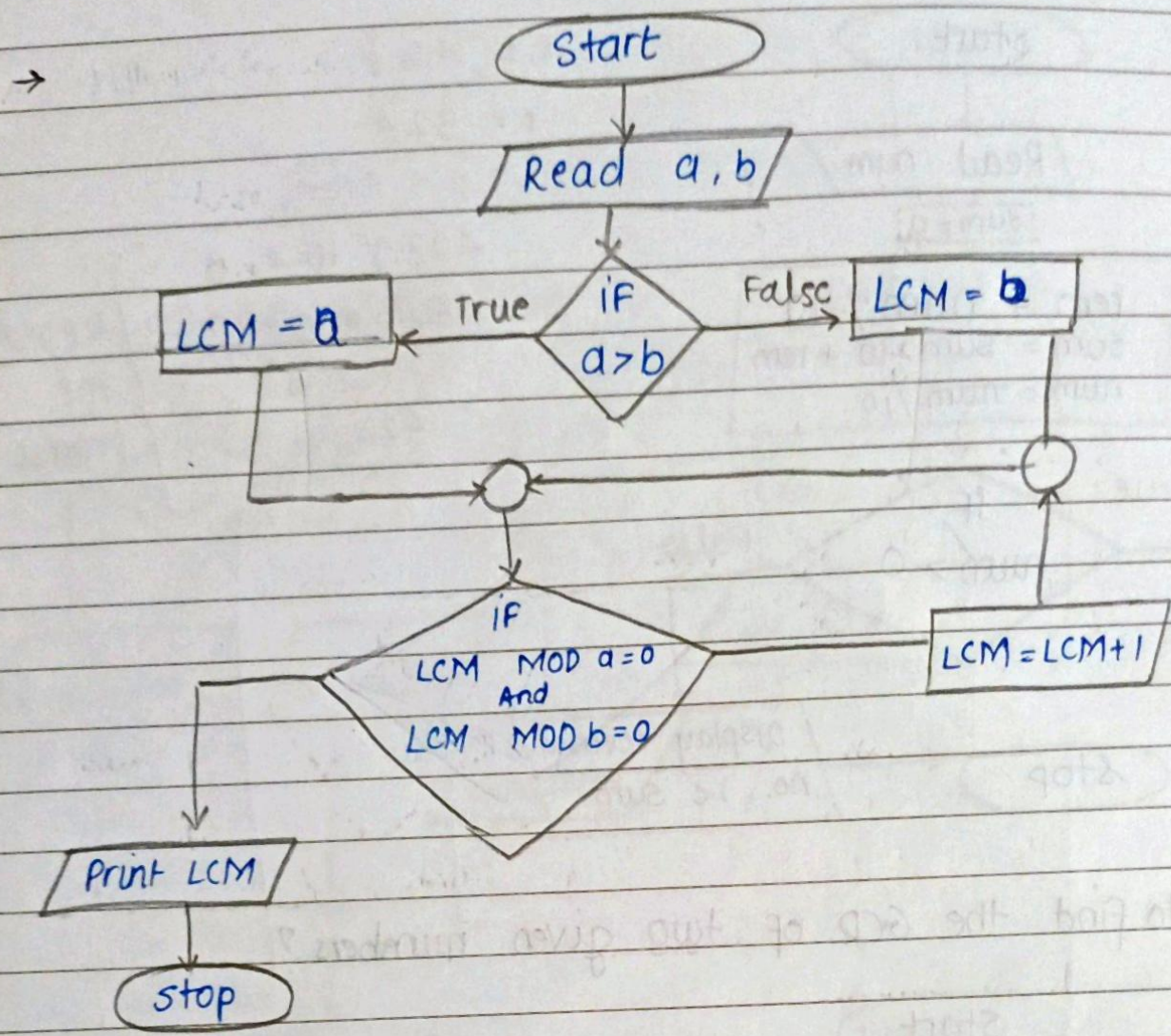


$$45 = 1, 3, 5, 9, 15, 45$$

$$60 = 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60$$

Greatest Common Factor = 1, 3, 5, 9, 15

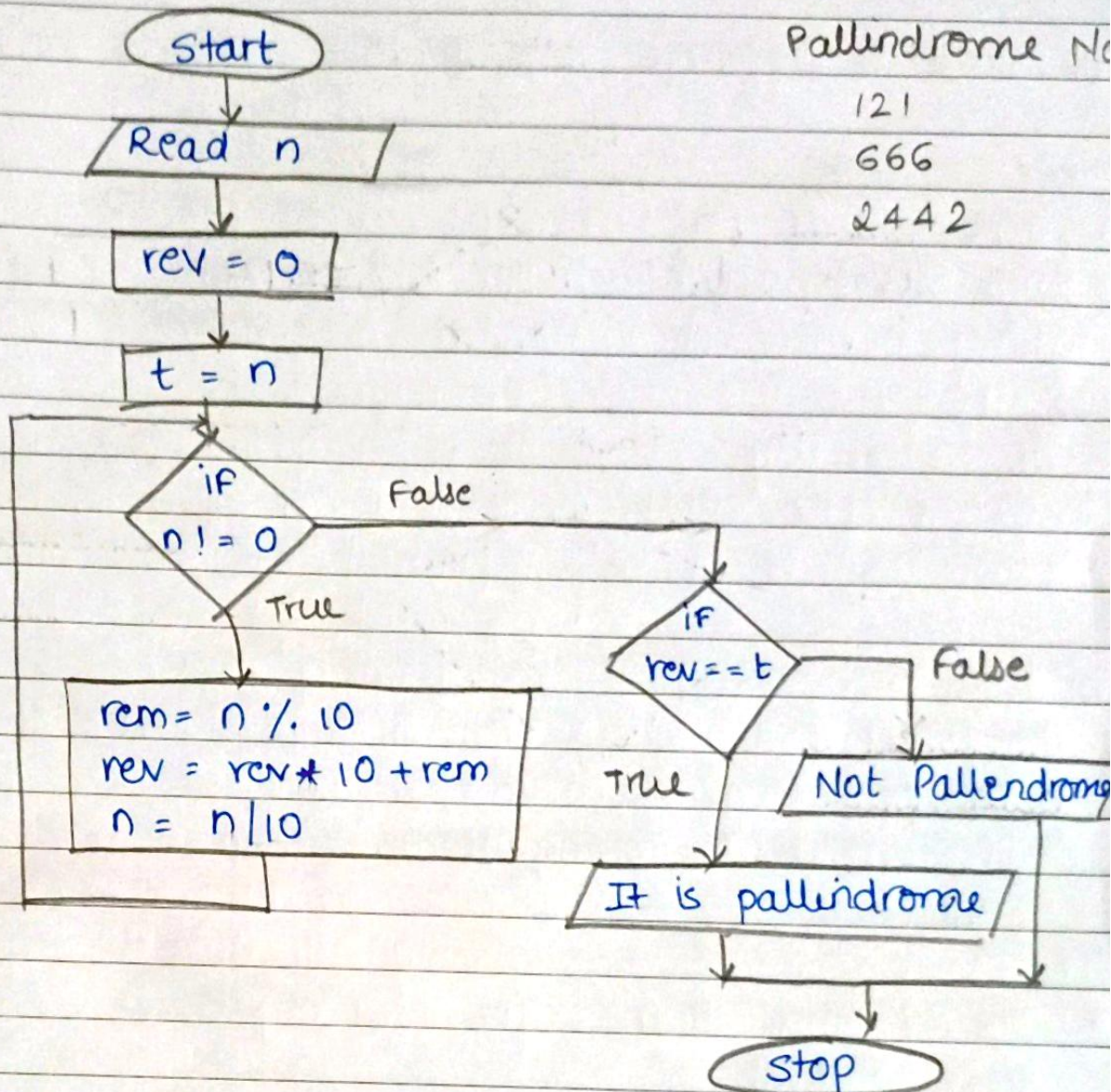
Q15. WAIP to find LCM of two nos.?



Q16. WAIP to LCM of two given Nos. using Prime Factors method?

→

Q17. Check whether the given no. is pallindrome or Not?



Q18. WAJP to print all the prime factor of given No.?

Soln

