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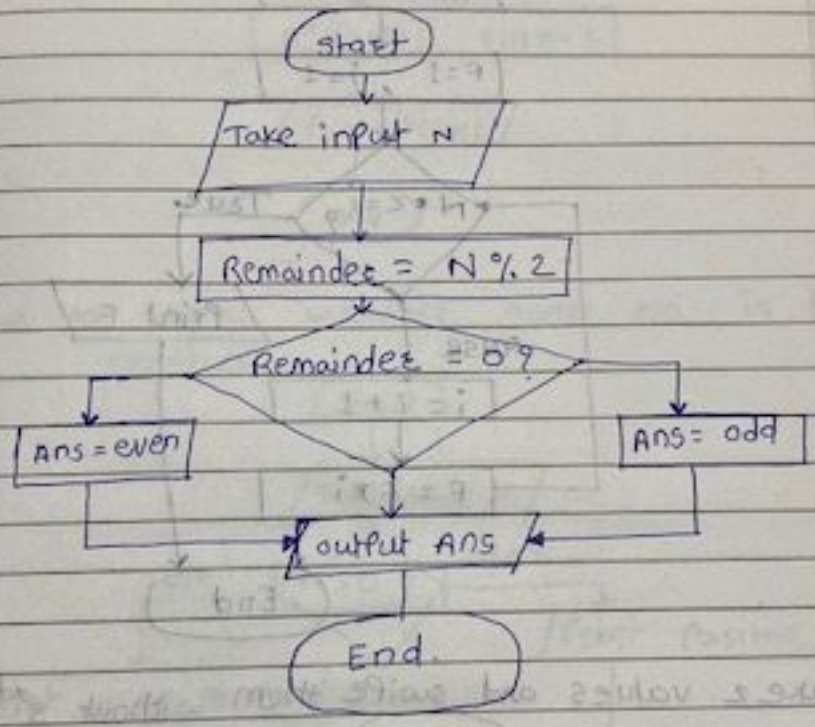
* write algorithm or flowchart for the following programs :-

1) check if the given no is even or odd.

→



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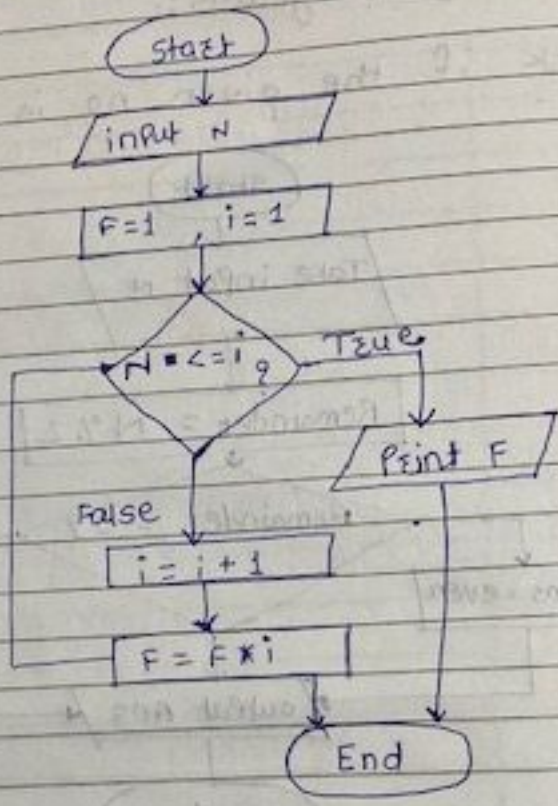
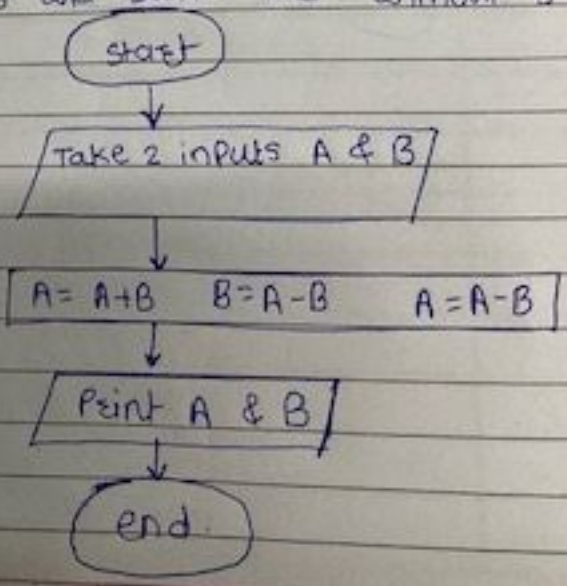
Q2] write a java program to find the factorial of given number.

→



Q3]

Q4] Take 2 values and swipe them without 3rd value affect



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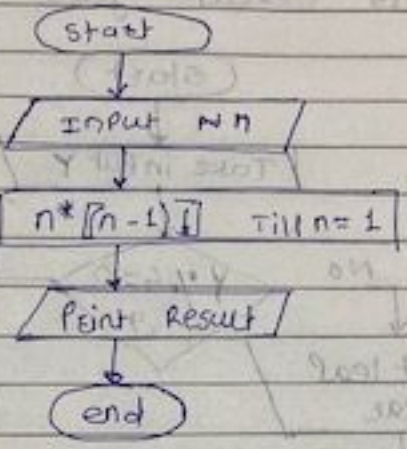
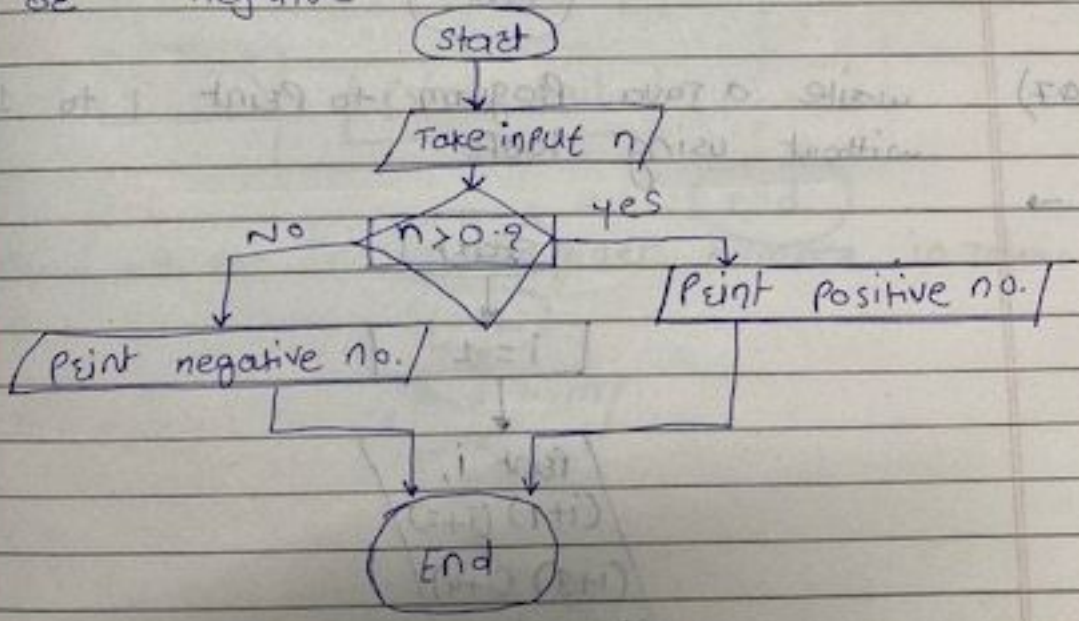
Q3] Find the factorial of number using Recursion?



Q5] How to check weather given no. is positive or negative.

→



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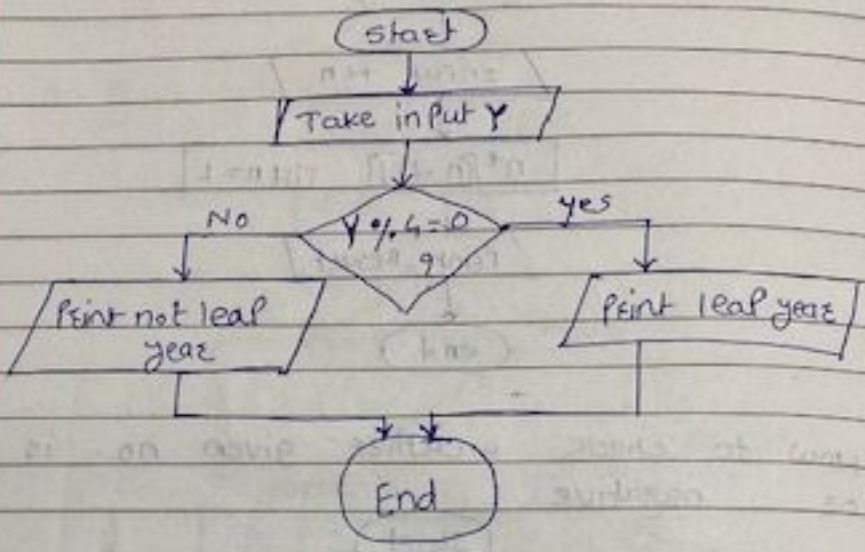
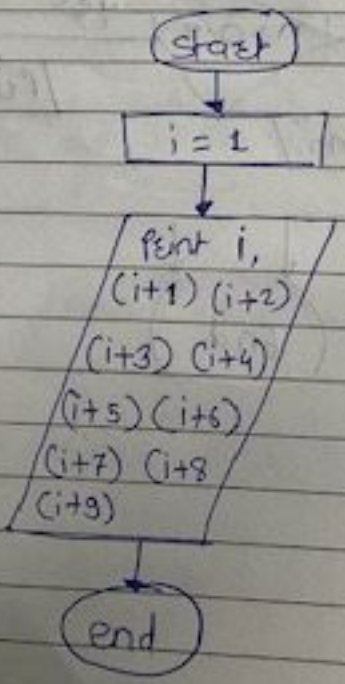
06] write a java program for given year is leap year or not.

→



07) write a java program to print 1 to 10 without using loop.

→



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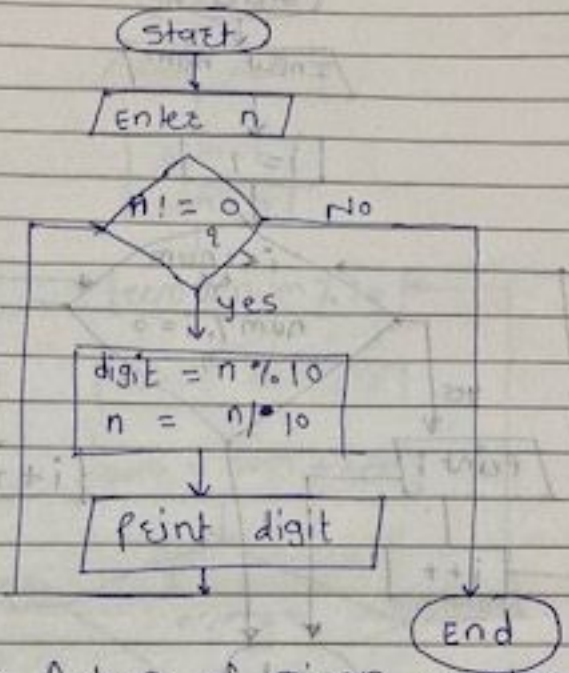
88] write Java Program to Print digit of a number.

→

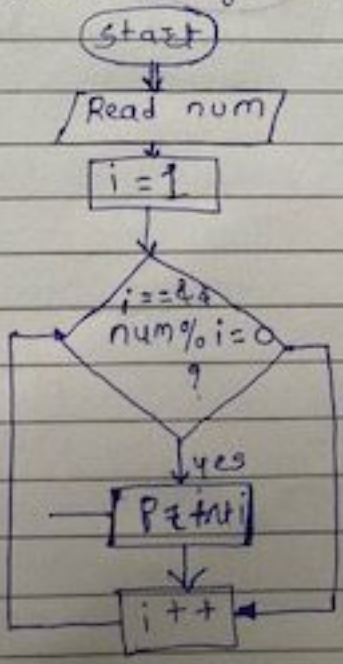


123

3 | 2 | 1
12 |

Print all the factors of given number in Java.

89]



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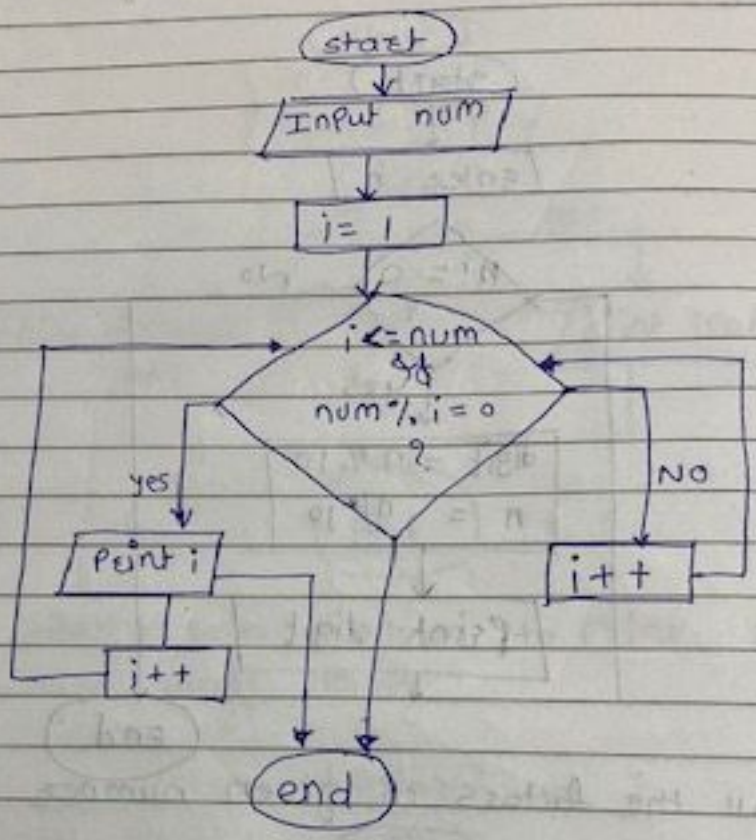
Q9] write a Java Program to Print all factors of given number.



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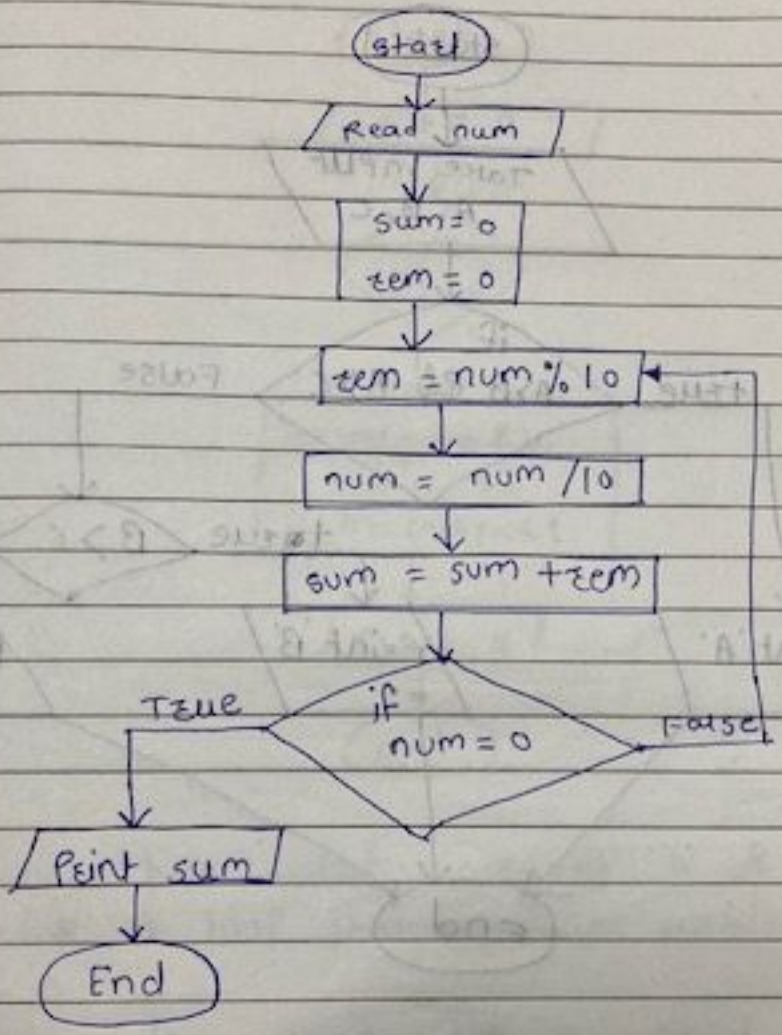
Q10] write a Java Program to find the sum of the digits of given number ?



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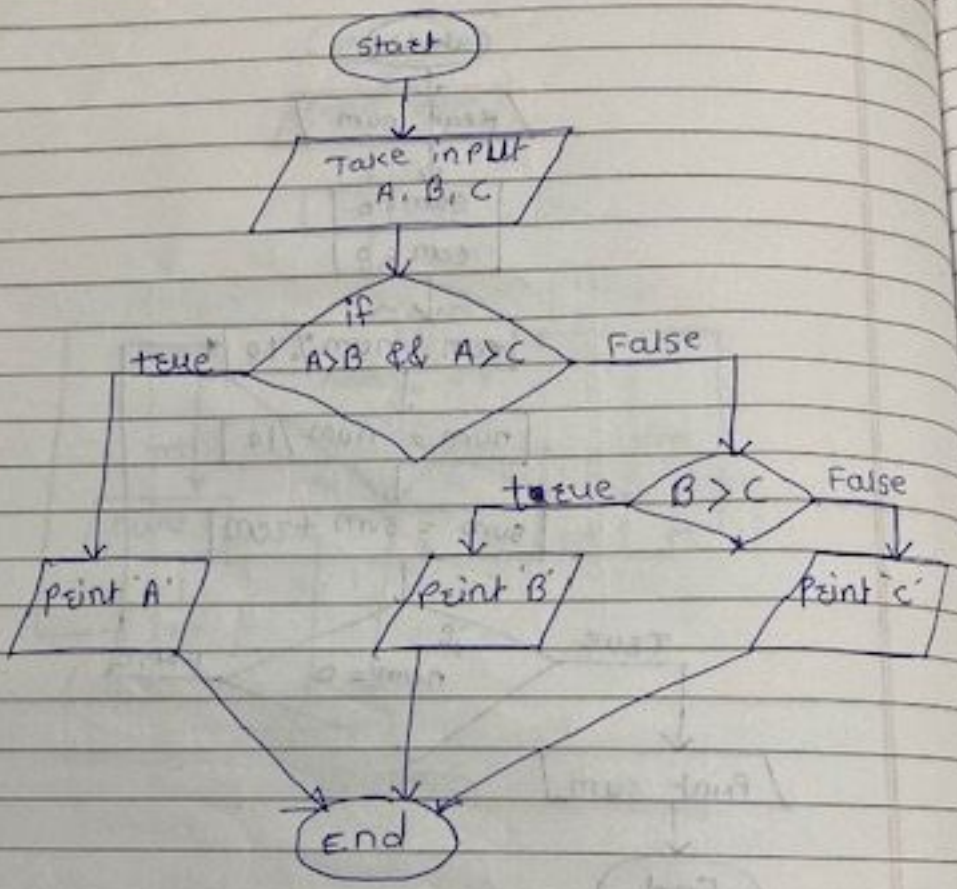
Q11] write a Java code to find the smallest of 3 numbers.



Q12)

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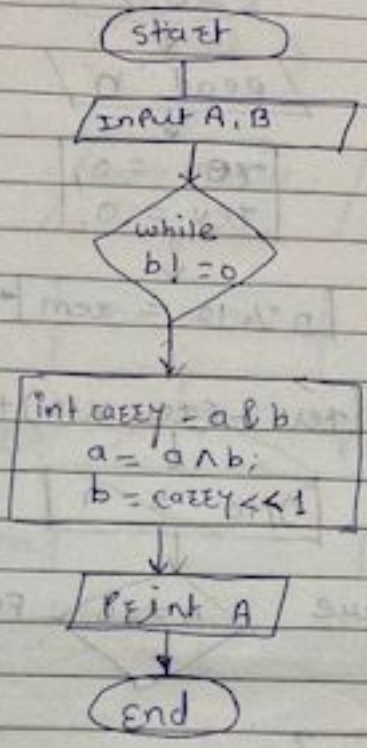
f 3 Q12) How to add two numbers without using arithmatic operator in Java.

→



1. Take two input integers a & b
2. Create a loop that continues until b is equal to 0.
3. within the loop, set a equal to XOR b.
4. set b equal to (a XOR b) << 1
5. Return a as the sum of two input integers.

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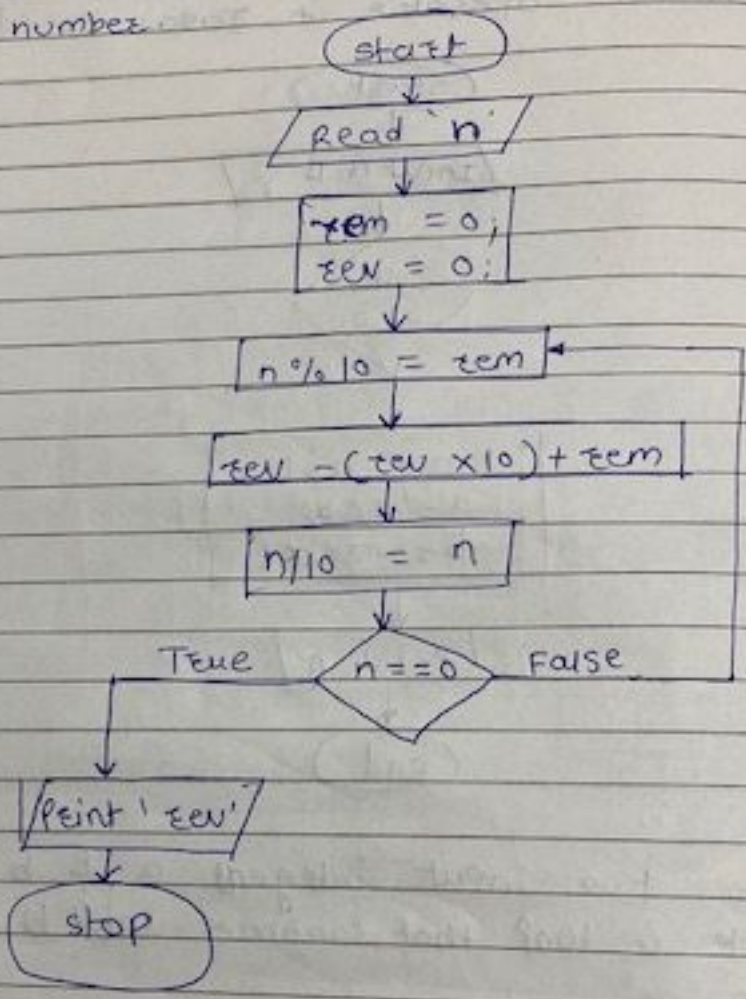
Q13] write a Java Program to Reverse a given number.

→



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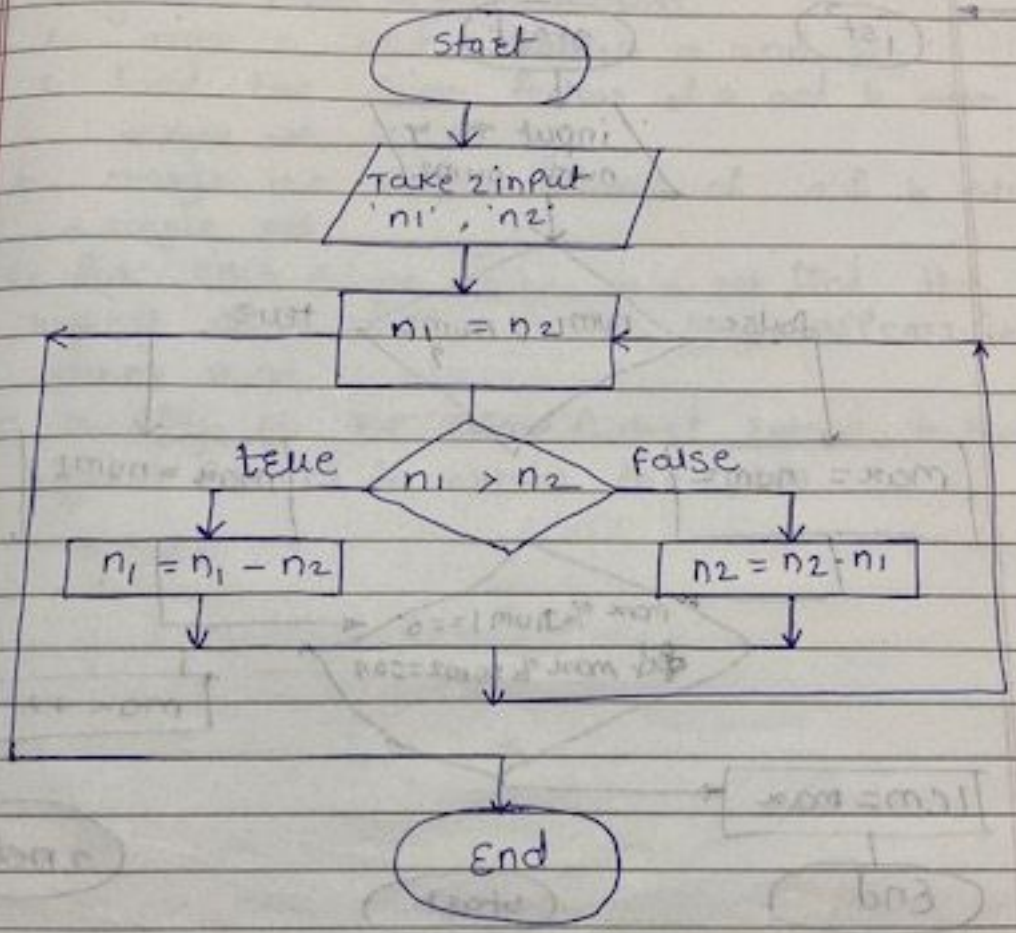
Q14] Write a Java Program to find the GCD of two given numbers.

→



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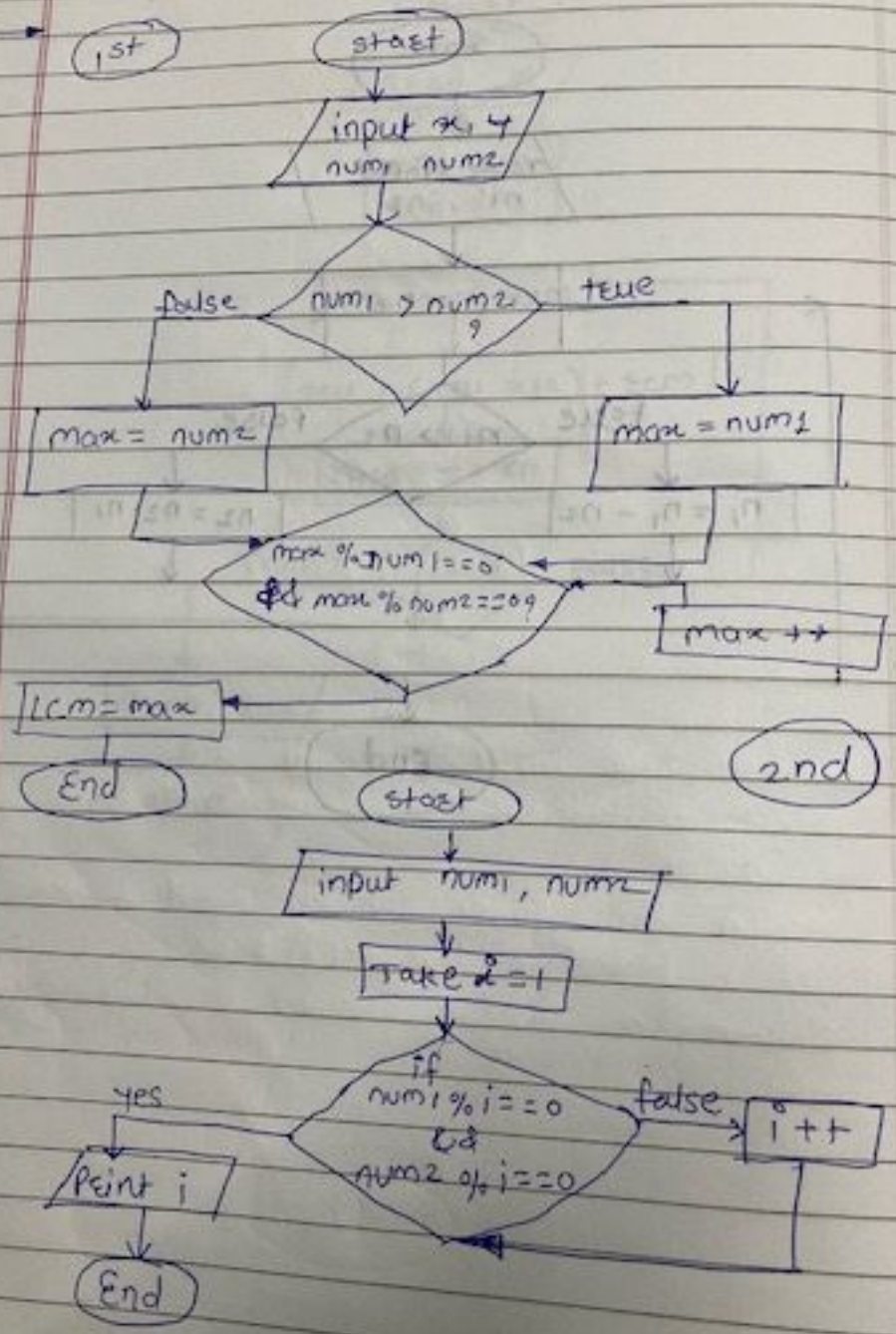
q15) write a Java program to LCM of 2 given numbers.



q16)

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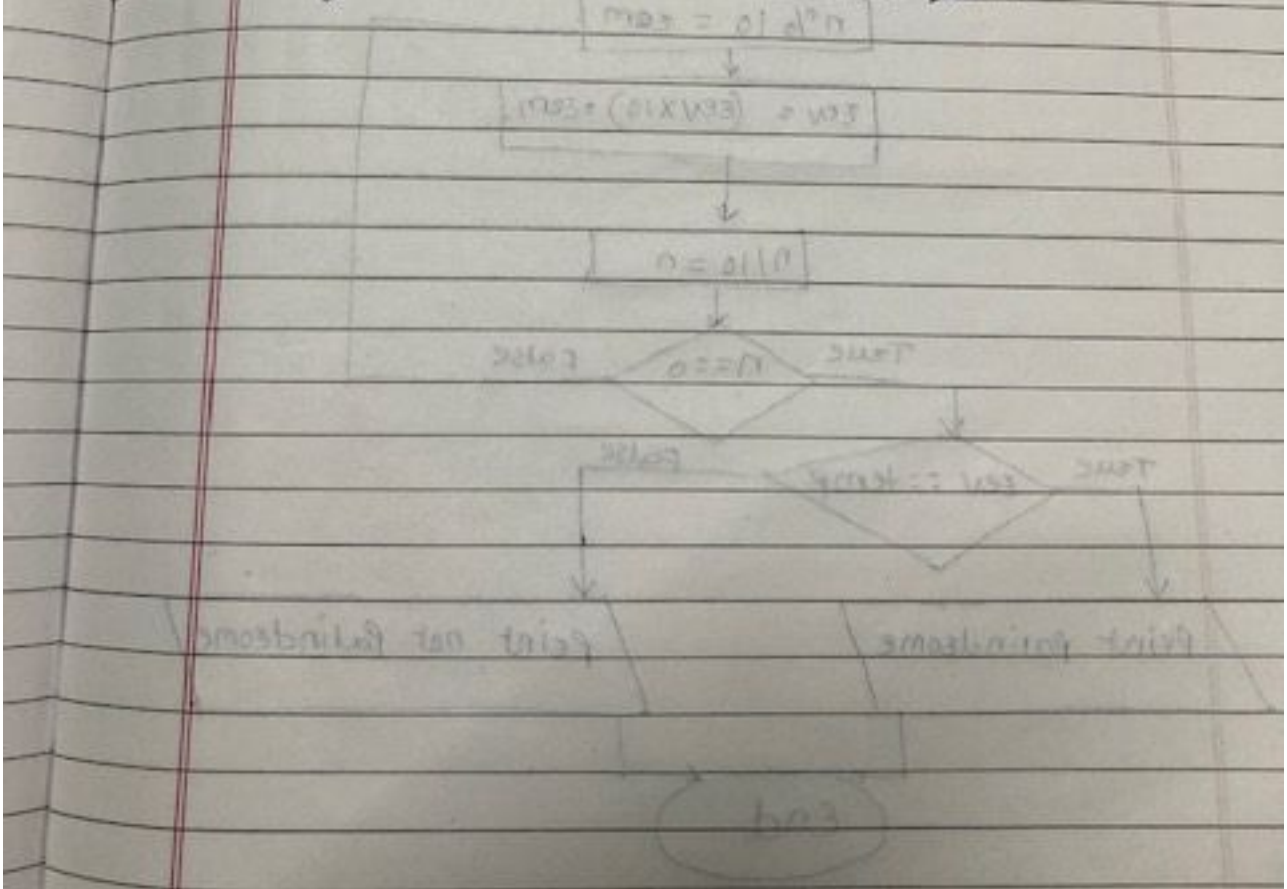
2 given

q15) write a java program to find LCM of 2 given numbers using the prime factors methods

* 1. Take 2 input integers a and b
2. Find the prime factors of a and b into ~~single set~~
3. merge the prime factors of a & b into a single set
4. for each prime factor in a set, find the highest power of that factor that appears in either a or b.
5. multiply all the prime factors raised to their highest powers to obtain the LCM.



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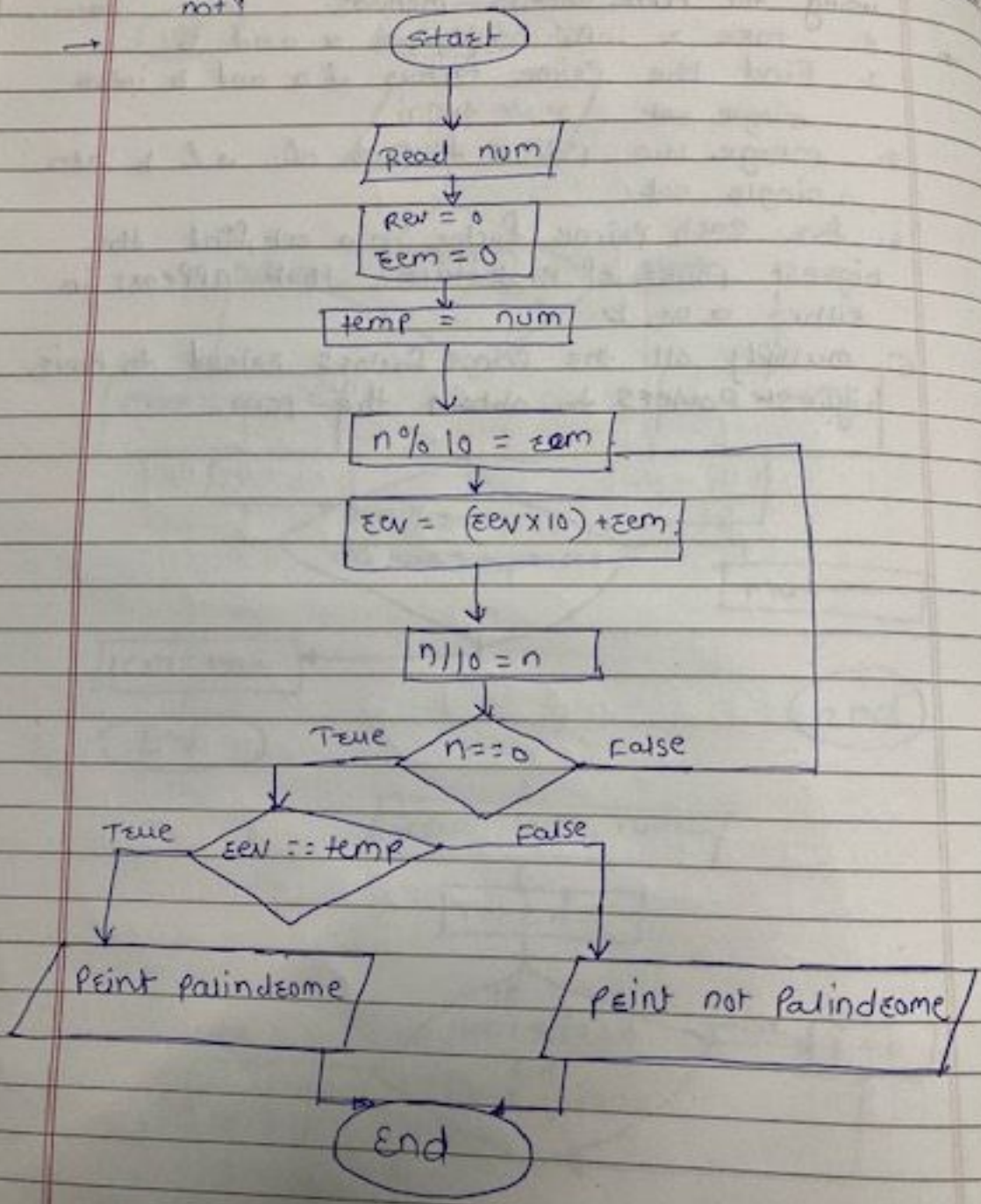
9.17) check wheather the given number is palindeame or not?

→



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or 9.18] write a program to print all the prime factor of given number

1. start
2. Read a number
3. check its divisibility by 2, 3, 5, 7, 11.. prime no.
4. print the print factor.
5. End.

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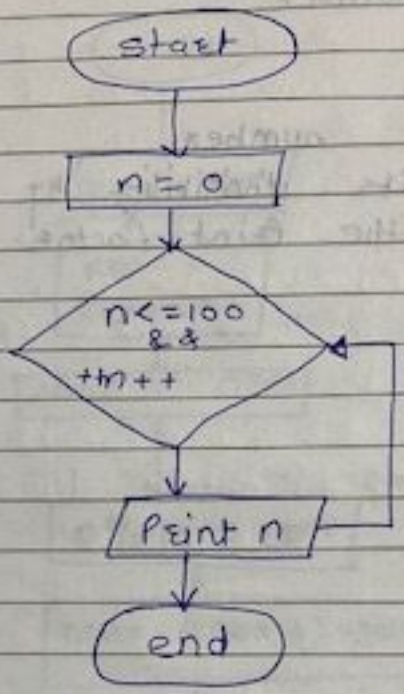
Q.19] to Print the following series Even no series 2, 4, 6, 8, 10, 12, 14, ... 100 upto 100



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Q20] to Print the following series odd no.
series 1, 3, 5, 7, 9, 11, 13, 15 ... 99