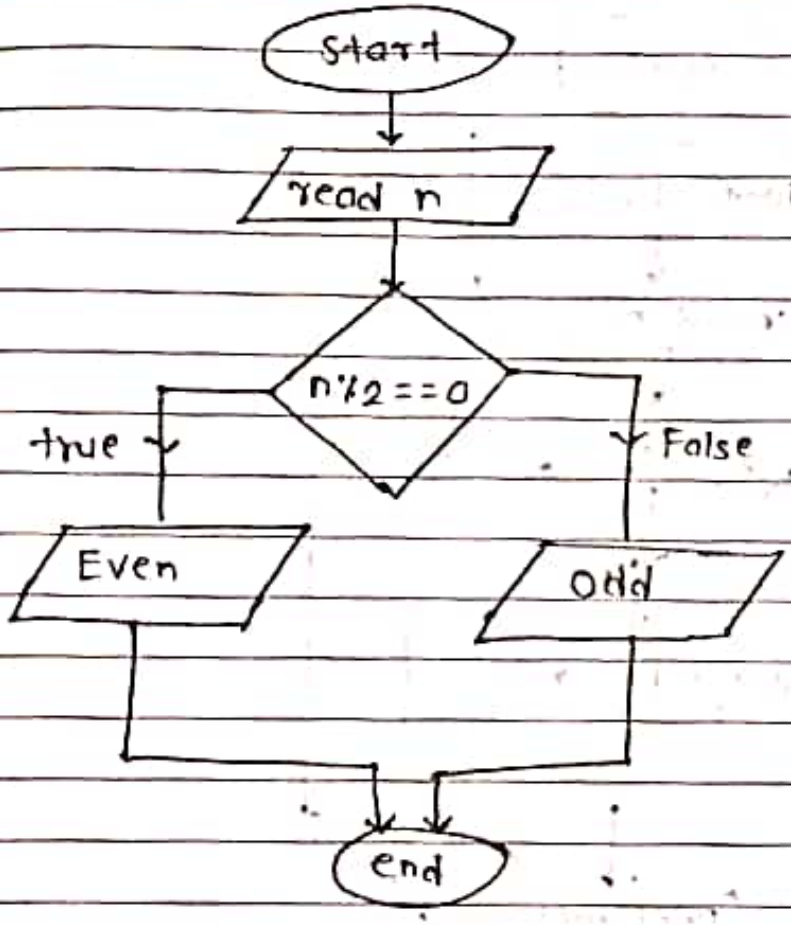
1. Check the given number is Even or odd.

Flow Chart

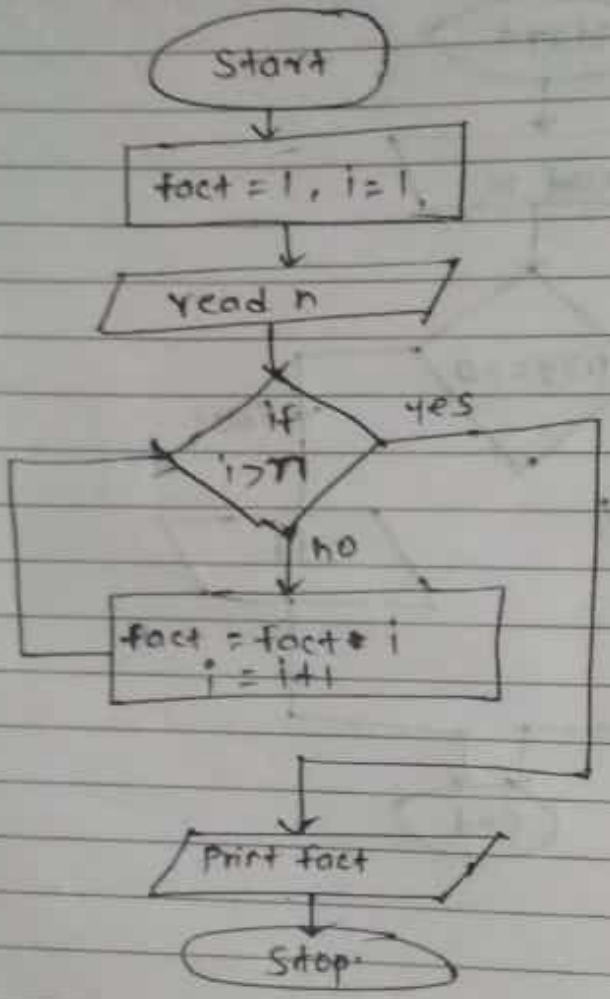


Algorithm

1. Start
2. Read Num
3. IF Num is divisible by 2 Go to step4 else step 5.
4. Display "Even" & Stop
5. Display "ODD" & Stop.

2. Write a java Program to find the Factorial of Given number.

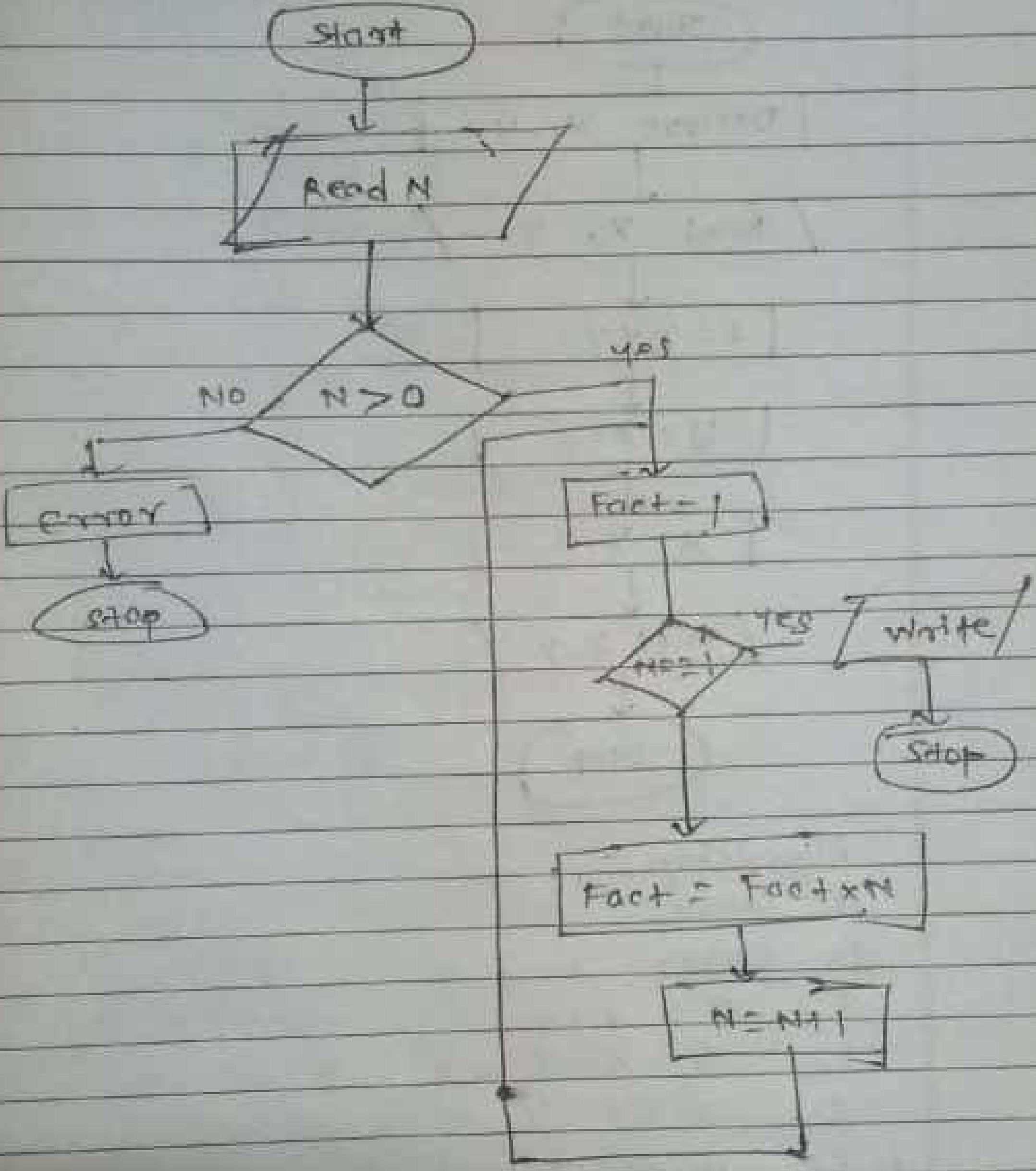
Flowchart



Algorithm

Step 1 : Start
2. read n
3. Initialize
i = 1, fact = 1
4. if (i>n) go to step 8
5. fact = fact * i,
6. i = i+1
7. go to step 4,
8. print the value of fact
9. Stop.

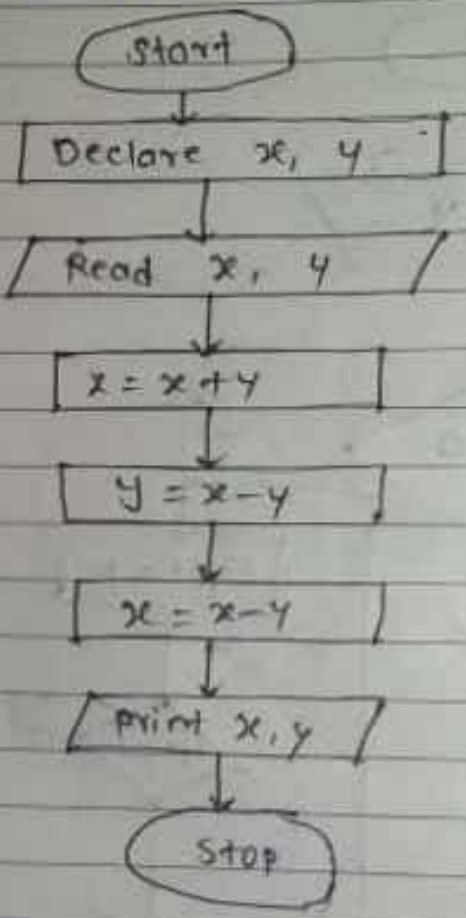
3. Find the Factorial of number using recursion



- Technical
- Communication Leader (Communicate.

4. Swap two numbers without using third Var

Flowchart:



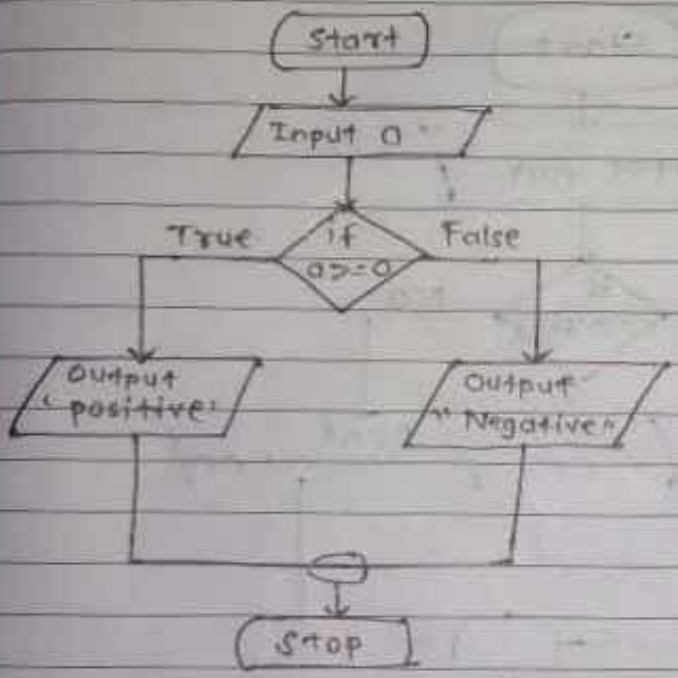
Algorithm :-

1. Start
2. Enter x & y
3. x = x + y
4. y = x - y
5. x = x - y
6. print x, y
7. Stop.

Variable

5. How to check given number is positive or negative.

Flowchart.

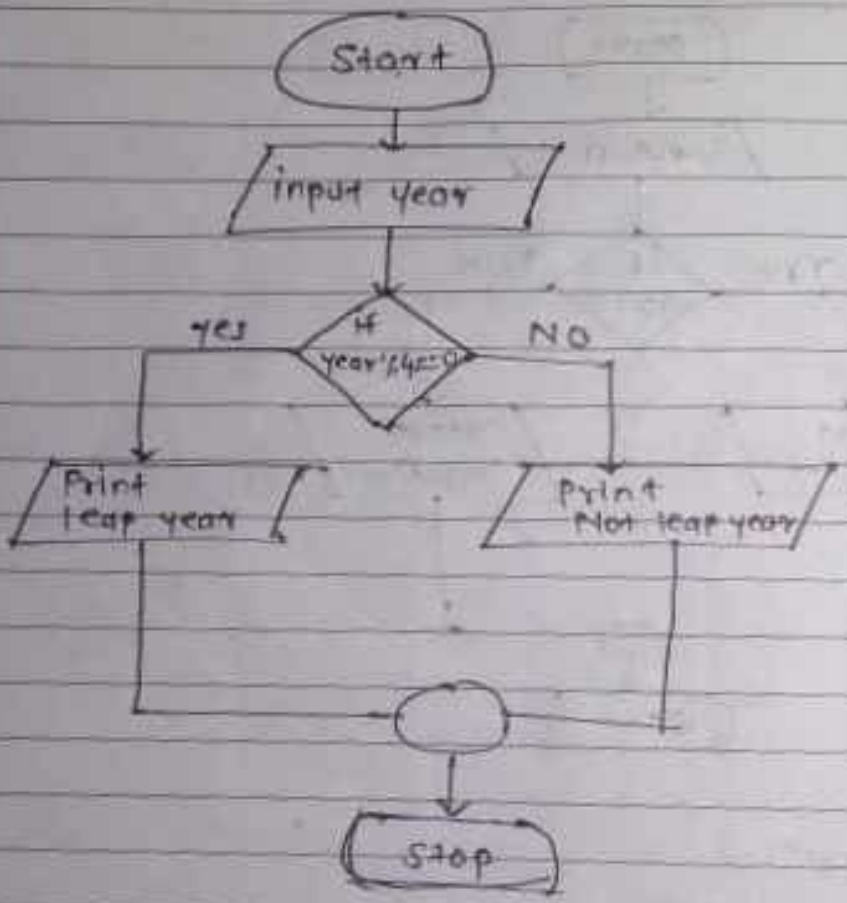


Algorithm

1. Start
2. Input a
3. If a >= 0
   Output ("positive")
   Else
   Output ("Negative").
4. Stop

6. Find java program to find whether given year is Leap year or NOT?

Flowchart

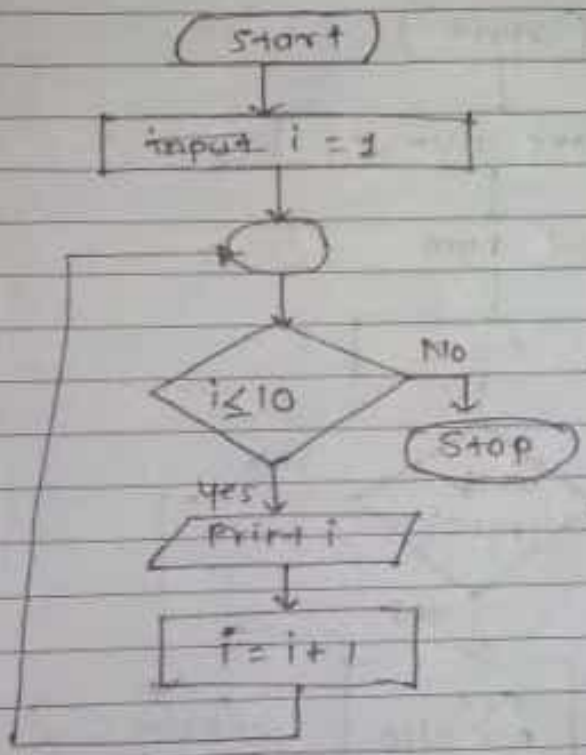


Flowchart Algorithm

1. start
2. Read year
3. ~~rem~~ if year % 4 == 0
   then print 'leap year'
   else
   print 'not leap year'
4. Stop.

7. Write a java Program to print 1 to 10 without using loop.

Flowchart

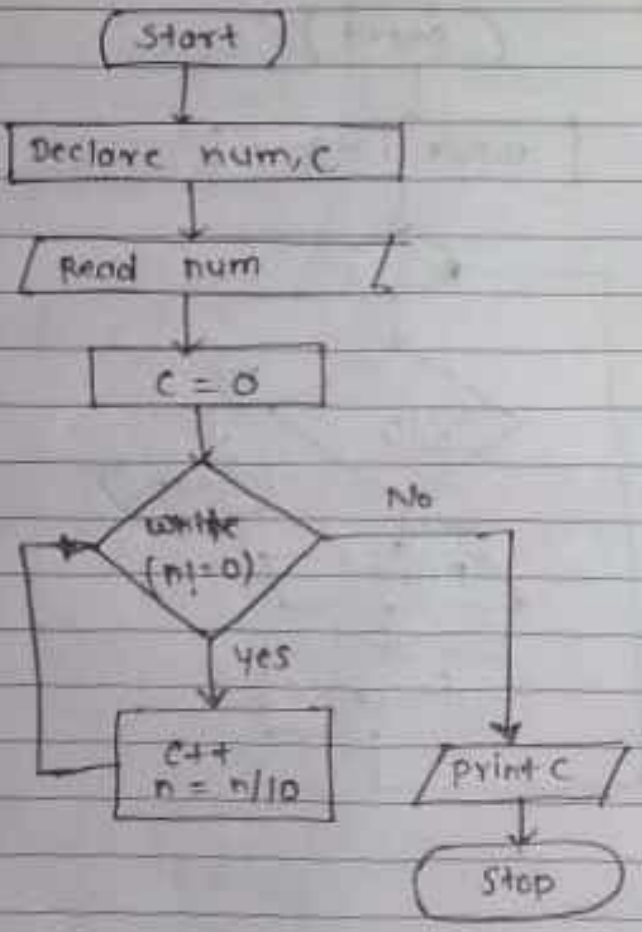


Algorithm

1. Start
2. initialize Variable i = 1
3. Check if value of i is less than or equal to 10. if i <= 10 then print i. then increment by 1.
4. ~~else not~~
4. else not i <= 10. stop the program.
5. STOP

8. Write a program to print the digits of given number.

Flowchart



Algorithm

1. Start
2. Enter num
3. Initialize c = 0
4. Check while (n!=0)
   c++
   n = n/10
5. Repeat step 4 till n!=0
6. print c
7. Stop

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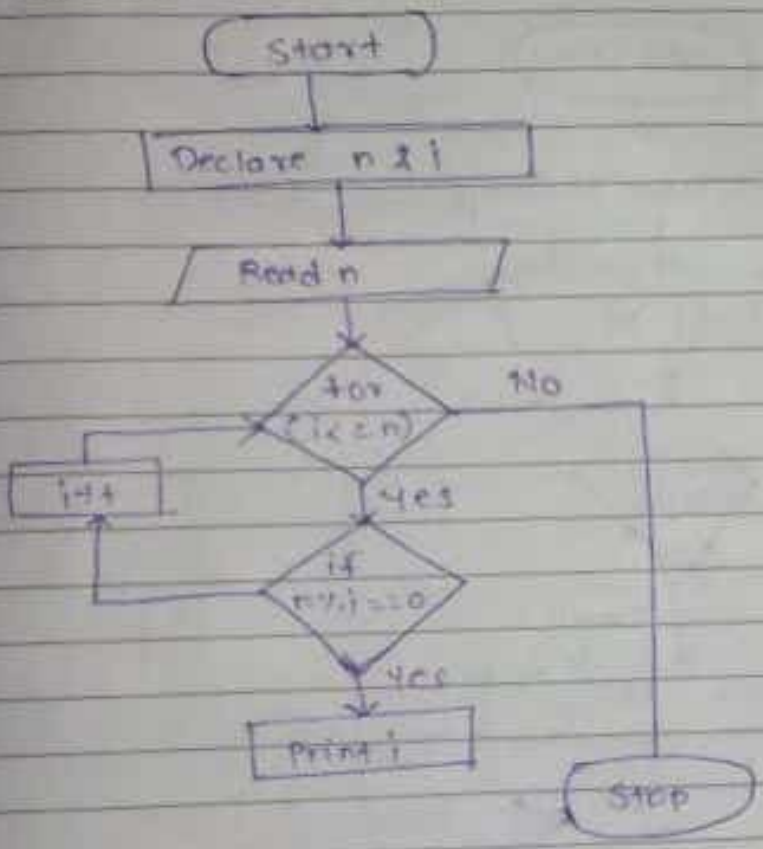
9. ~~Flower~~ Write java program to print all the factors of given number.

Flowchart

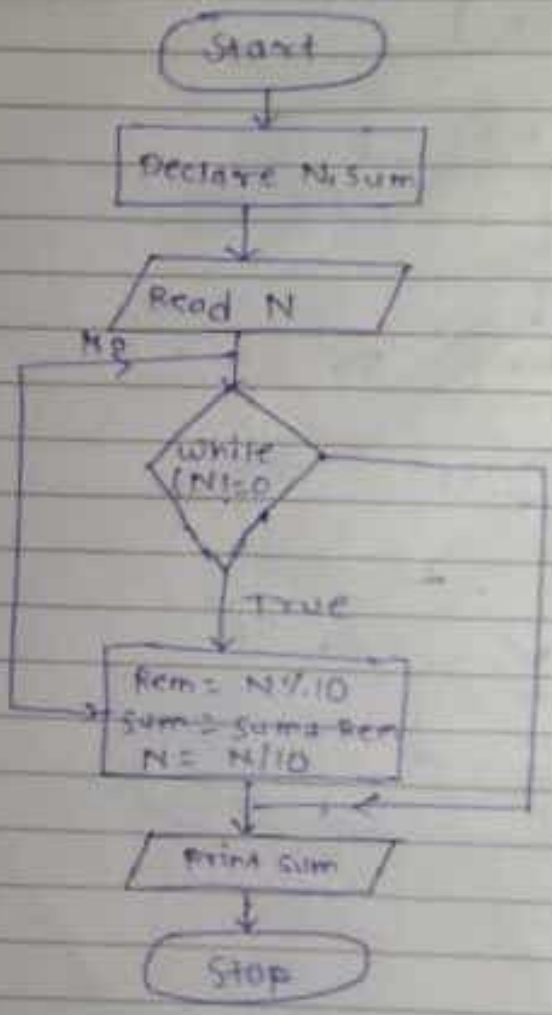


Algorithm

1. Start
2. Declare n & i=1 , 3. Read n
2. check for (i<=n)
   if (n%i==0)
   print i
   i++
5. Repeat step no 4 till (i<=n)
6. Stop

10. Write java program to find the Sum of the digits of a given number.

Flowchart



Algorithm

1. Start
2. Read N
3. Declare sum = 0
4. while (n != 0)
   Rem = N%10
   Sum = Sum + Rem
   N = N/10.
5. print Sum
6. Stop

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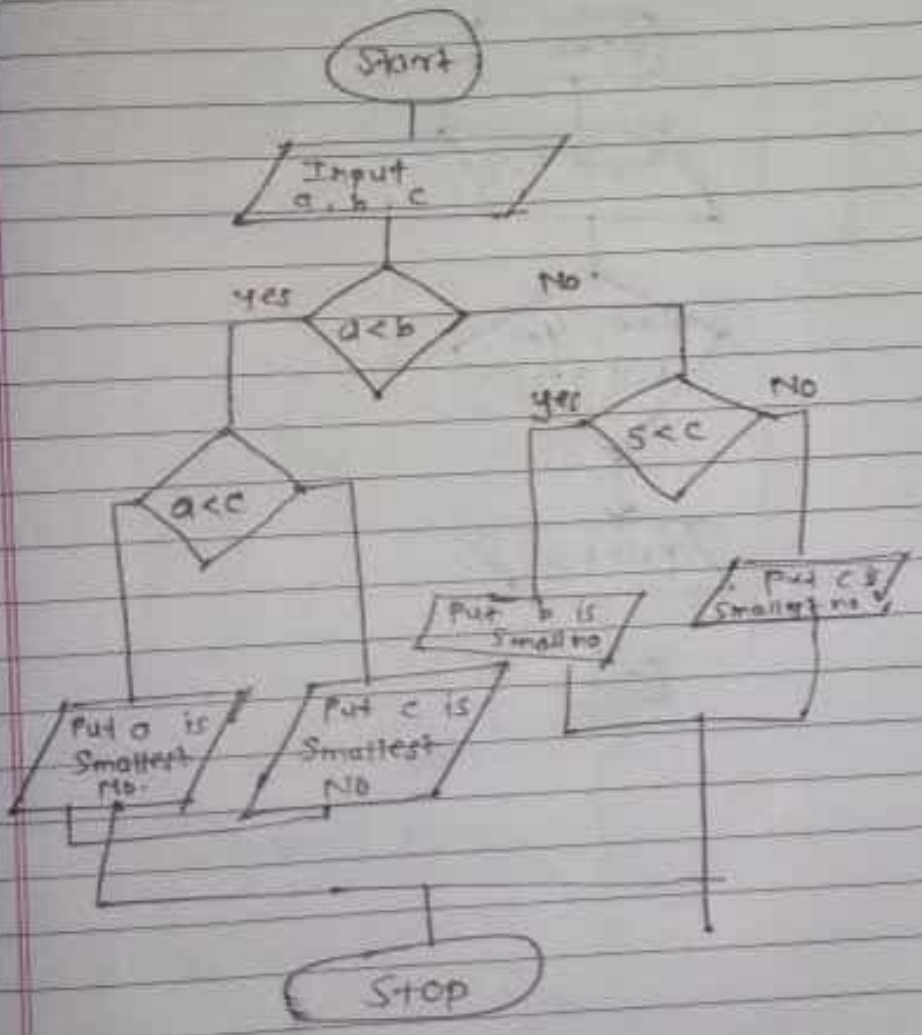
11. Write java program to find the smallest of 3 numbers.



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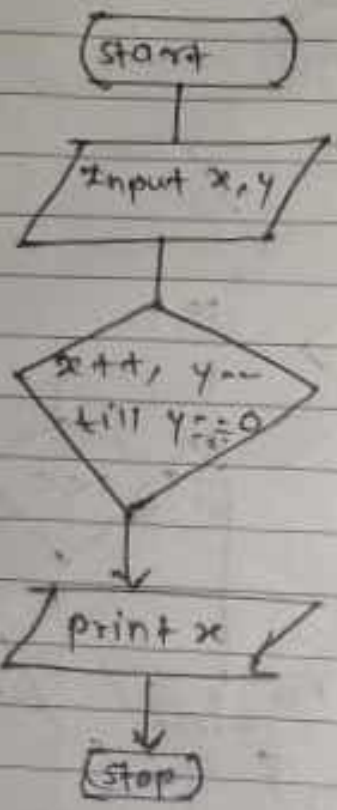
12. Add two numbers using the arithemetic operator.



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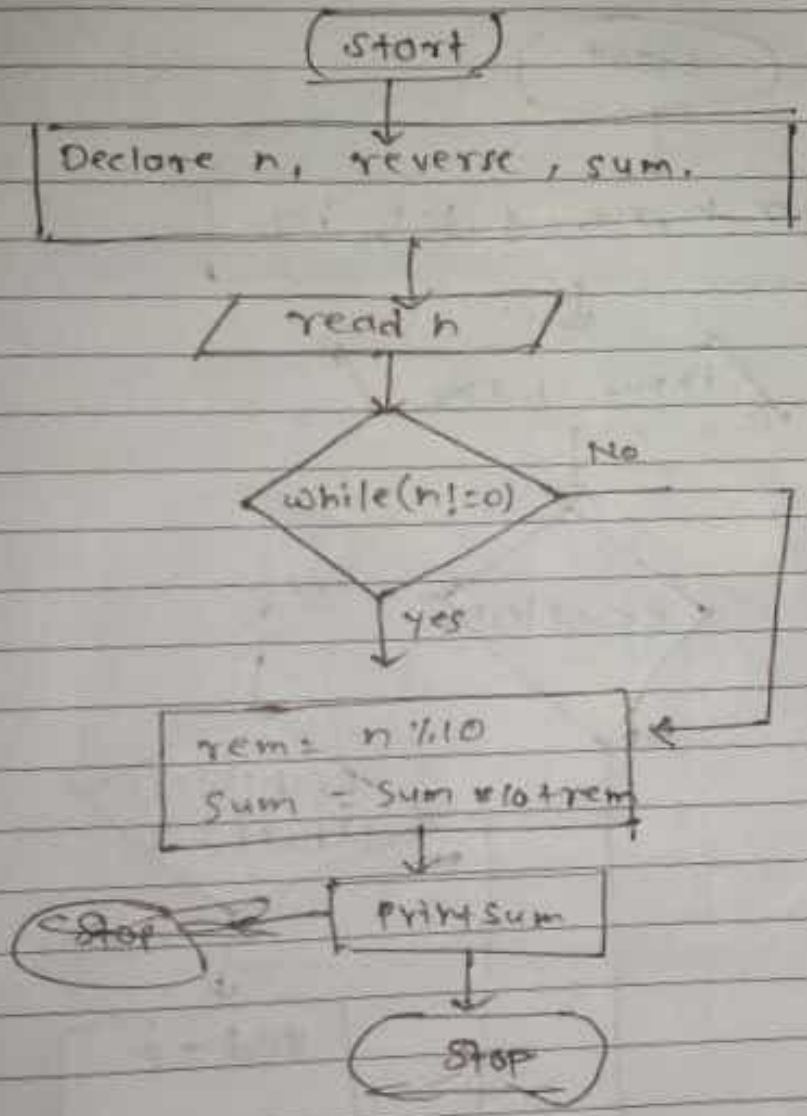
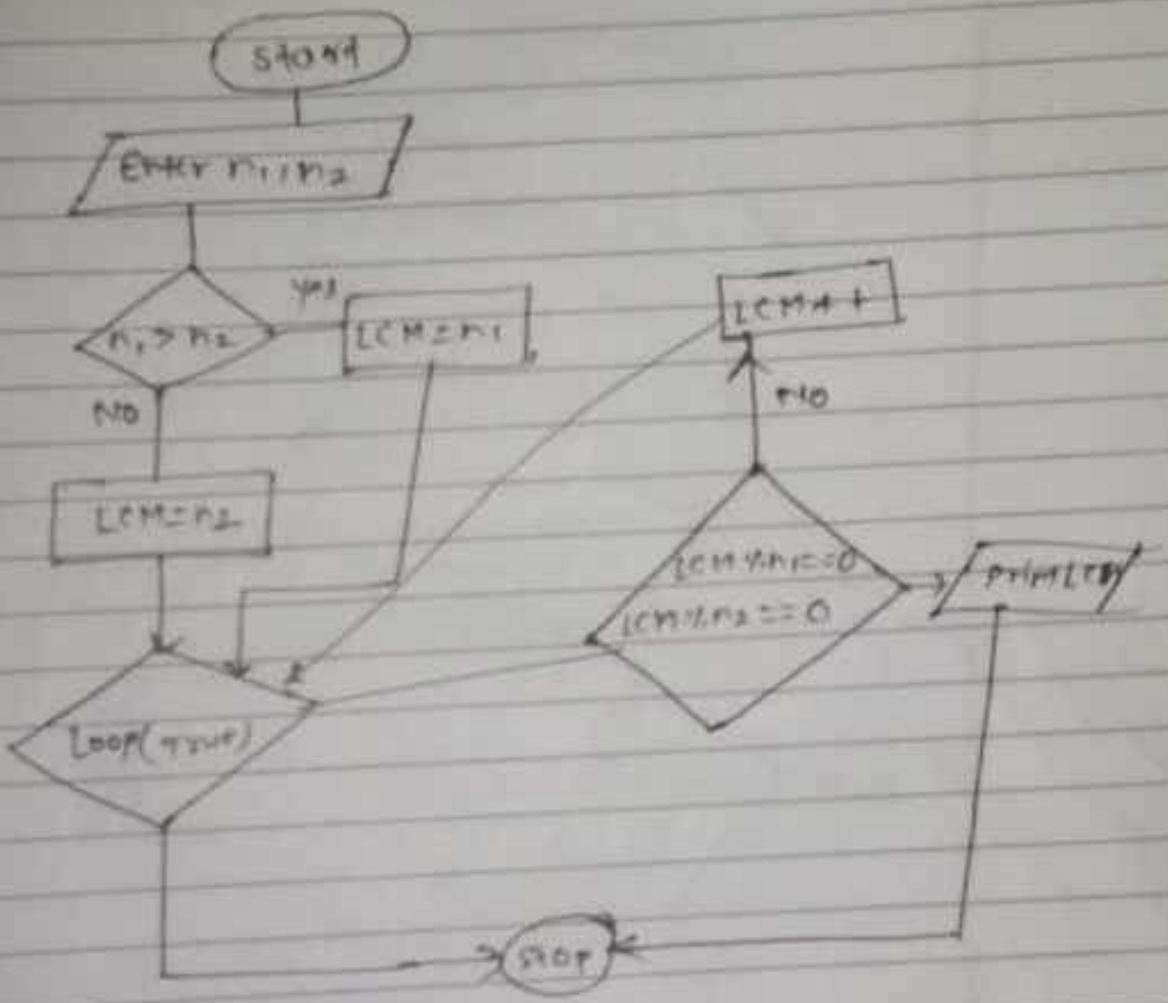
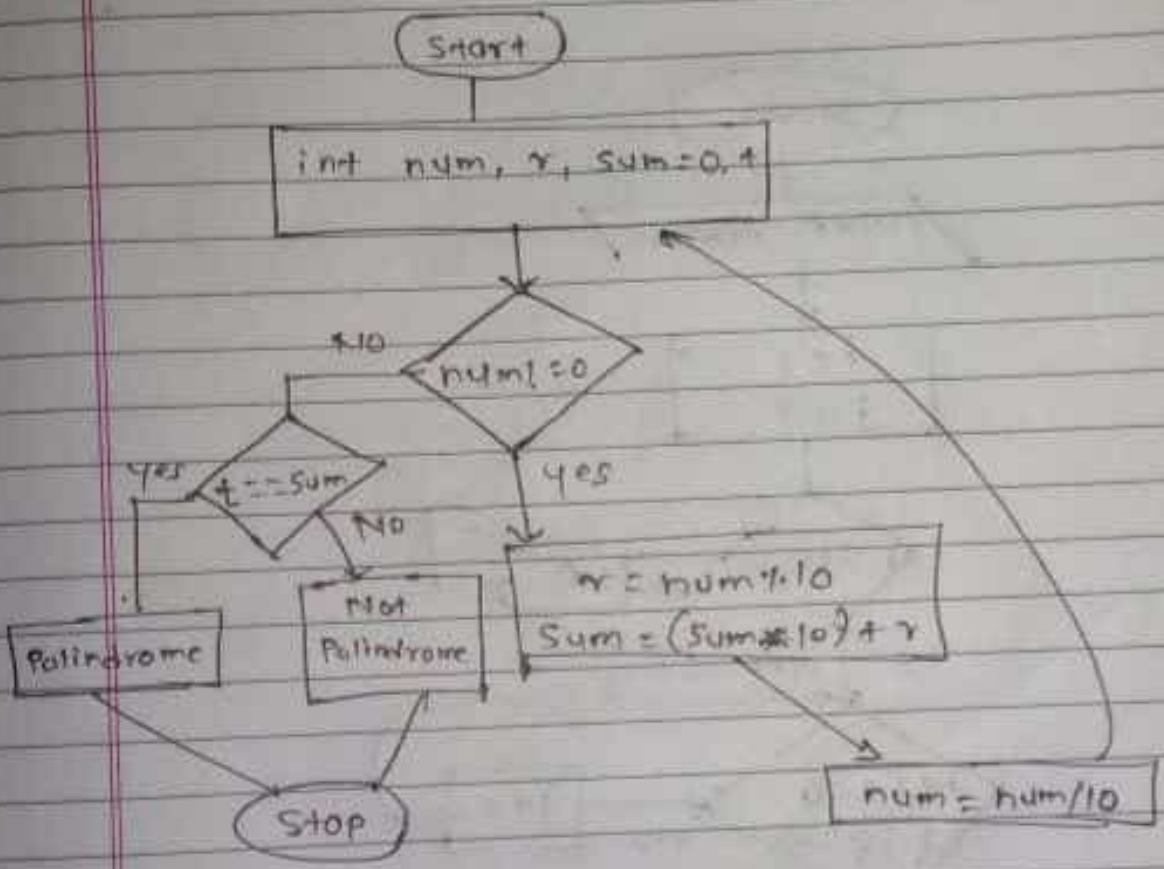
13. To Reverse a given number



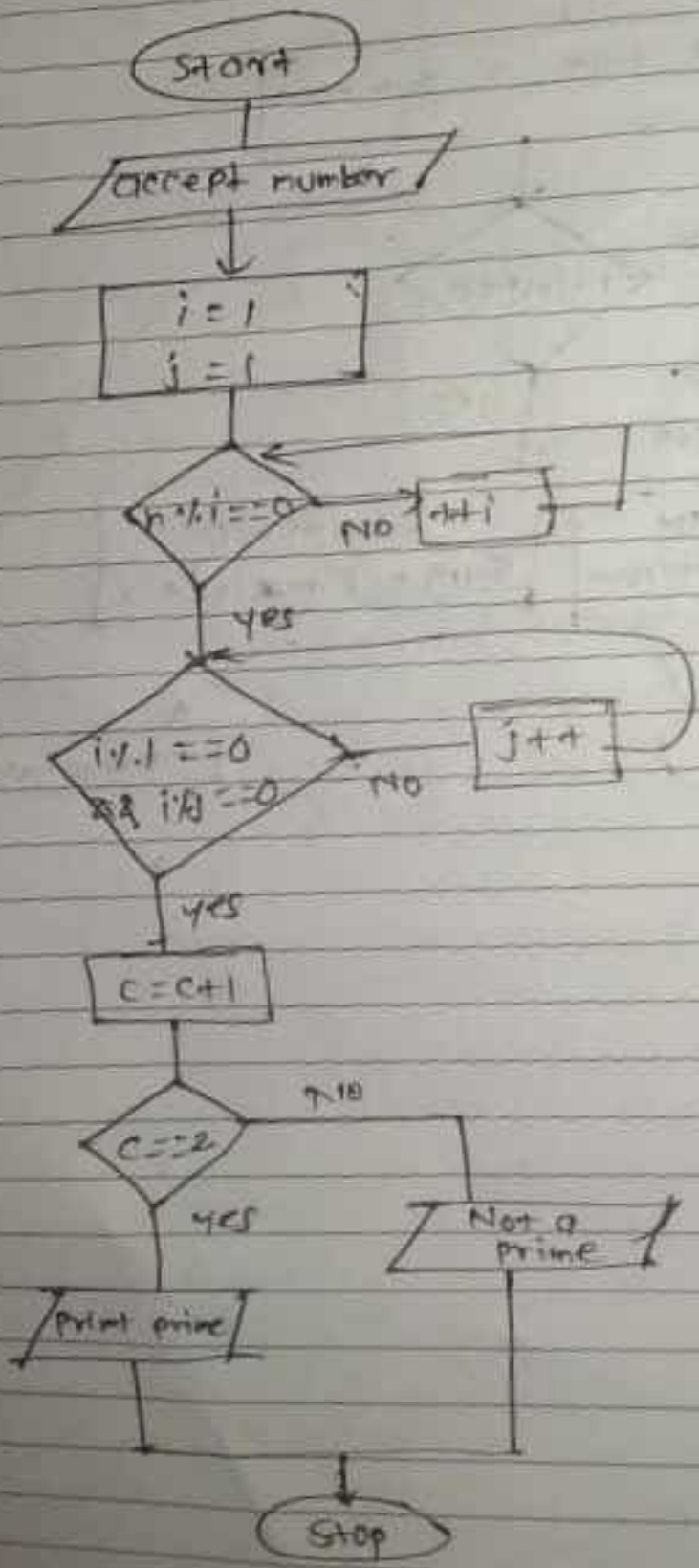
15. LCM of two given numbers.



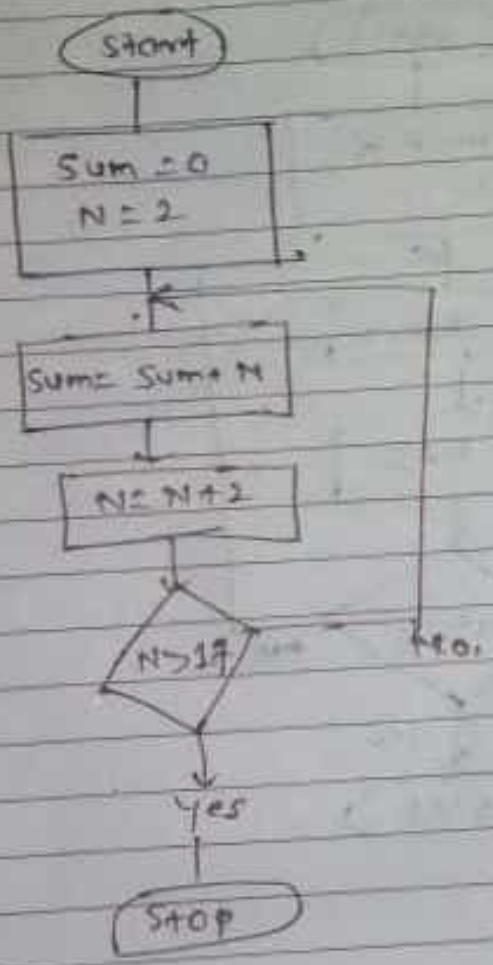
17.


Start
int num, r, sum=0, t
num!=0
*10
yes
t==sum
yes
No
r = num%10
Sum = (Sum*10)+r
Palindrome
Not Palindrome
num = num/10
Stop

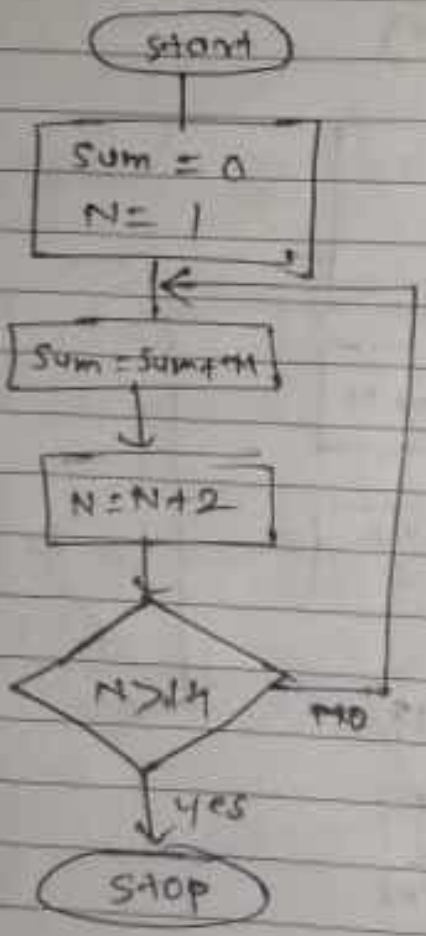
Q18. print all the prime factors of given number



Q19. Even no. from particular range.



Q20. print odd numbers series from particular range ex. 1, 3, 5, 7, 9 - - - 13.



11 Find GCD of two given numbers