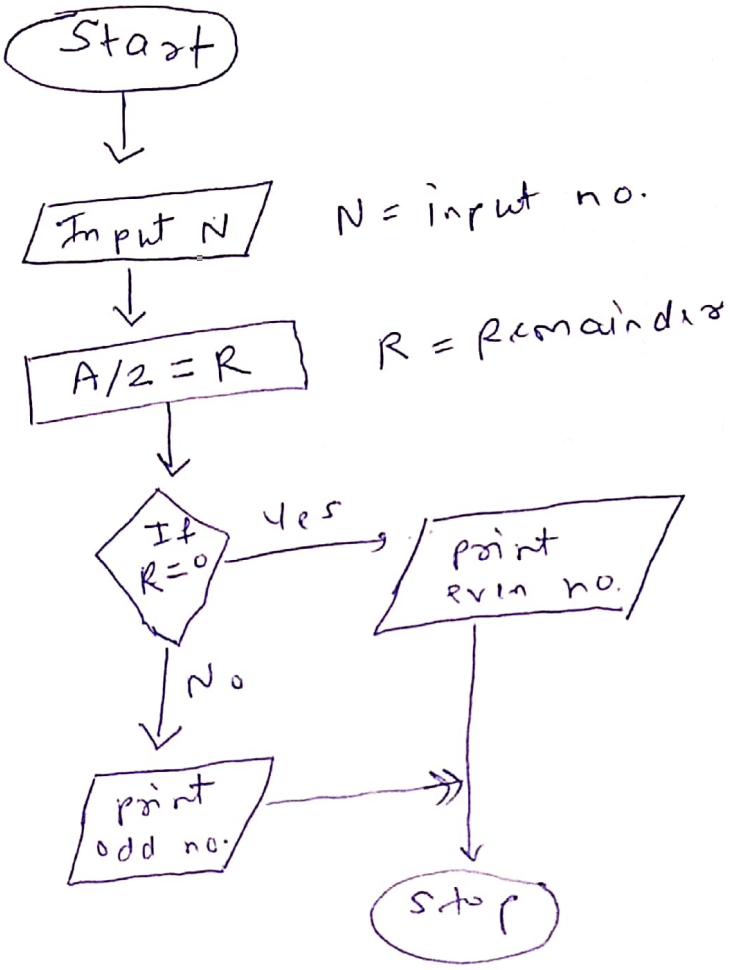
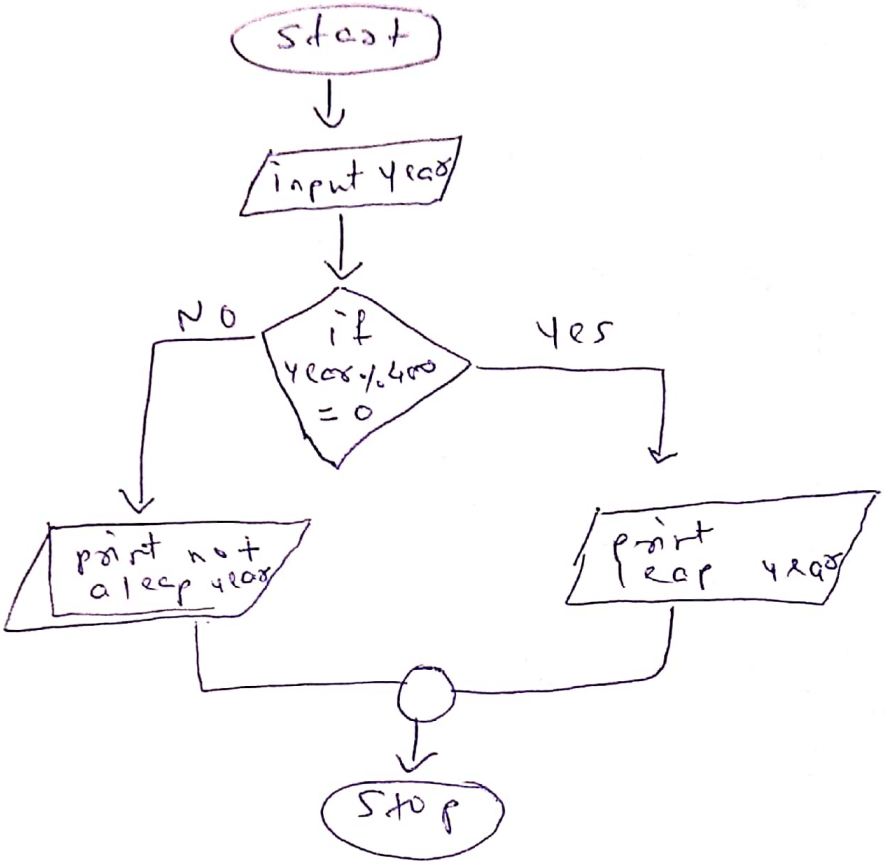
1) check if the given no. is even or odd.



1) Input N
2) N/2 = R (Remainder)
3) If R=0
   print "It is even no".

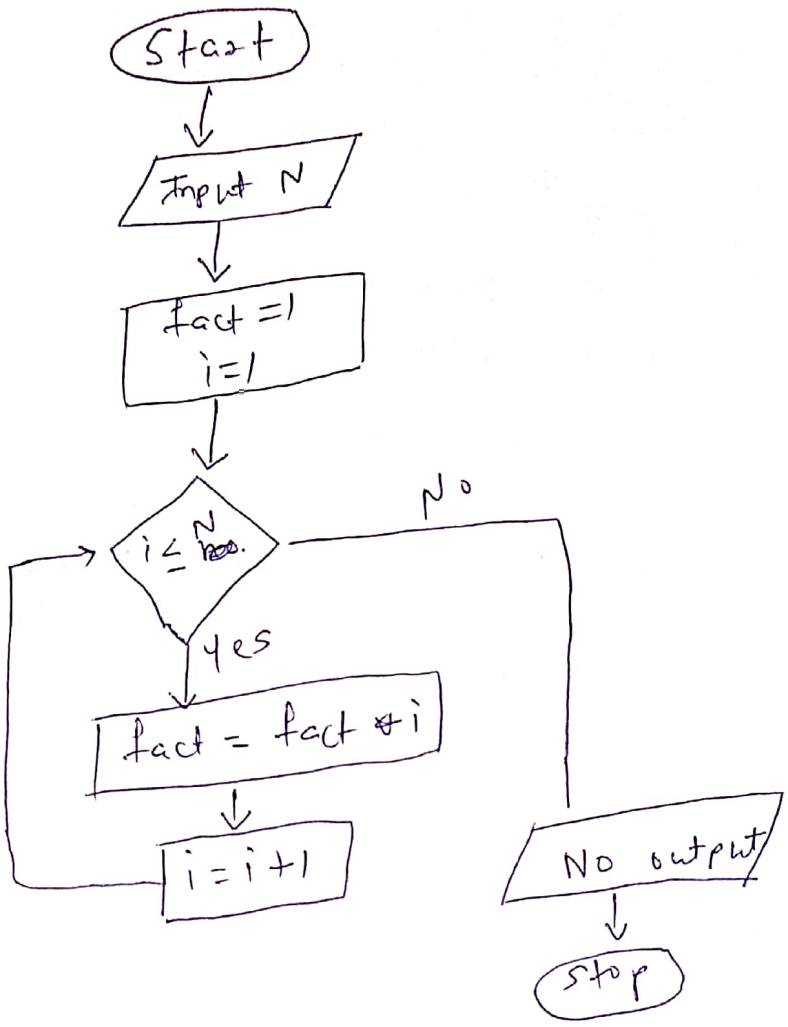
   else
   print "It is odd no".
4) stop

6) Write a java program to find whether a given no. is leap year or NOT.



1) Start
2) Input year
3) If year %.400 = 0
print "leap year"
else
print "not a leap year".
4) Stop

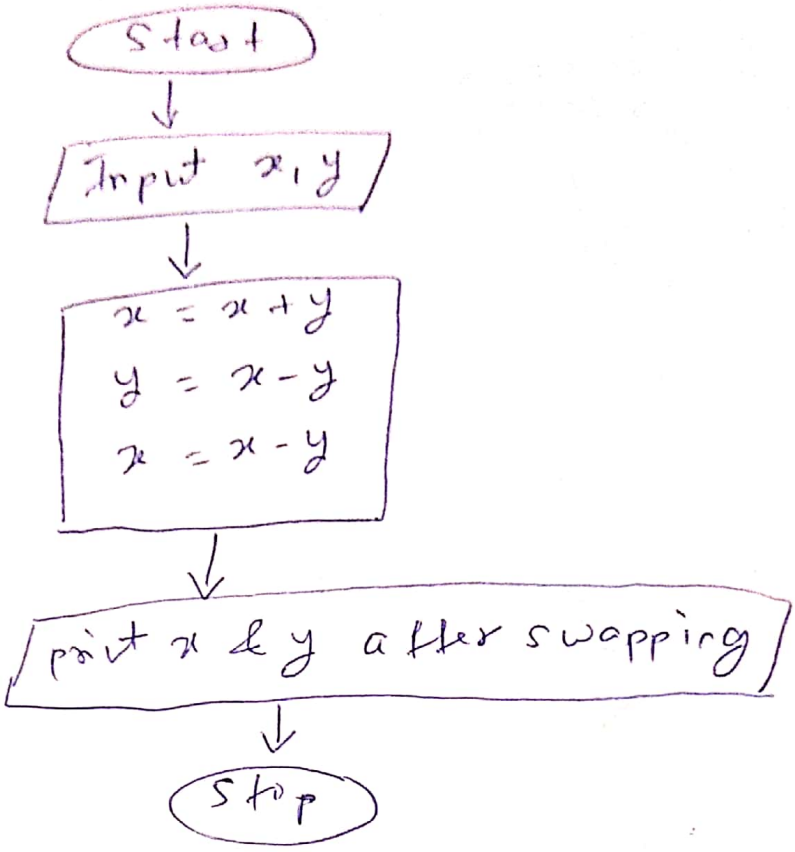
2) Write a java program to find factorial of a given no.



1) start
2) Input N
3) set fact = 1, i = 1
4) check condition $i \leq N$, if false jump to step 7
5) fact = fact * i
6) Update i = i + 1 go to step 4
7) No input
8) stop

fact = 1
i = i + 1 = 2
$2 \leq 5$
fact = 1 * 2
= 2
i = 2 + 1 = 3
$3 \leq 5$
fact = 2 x 3 = 6
i = i + 1 = 3 + 1 = 4
$5 \leq 5$
fact = fact * i
= 24 x 5
= 120
$6 \leq$

4/ Swap two no. without using third variable



1/ Start

2/ Input x, y no.

3/ ~~a = a + b~~ x = x + y

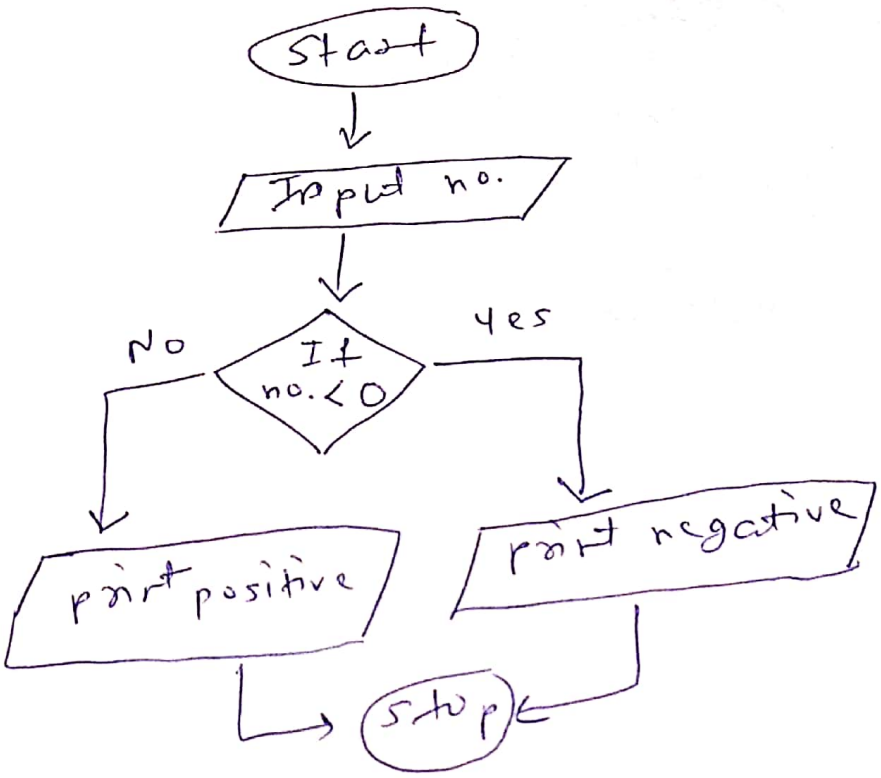
4/ y = x - y

5/ x = x - y

6/ print x, y

7/ stop

5) How to check whether the given no is positive or Negative in java



1) start

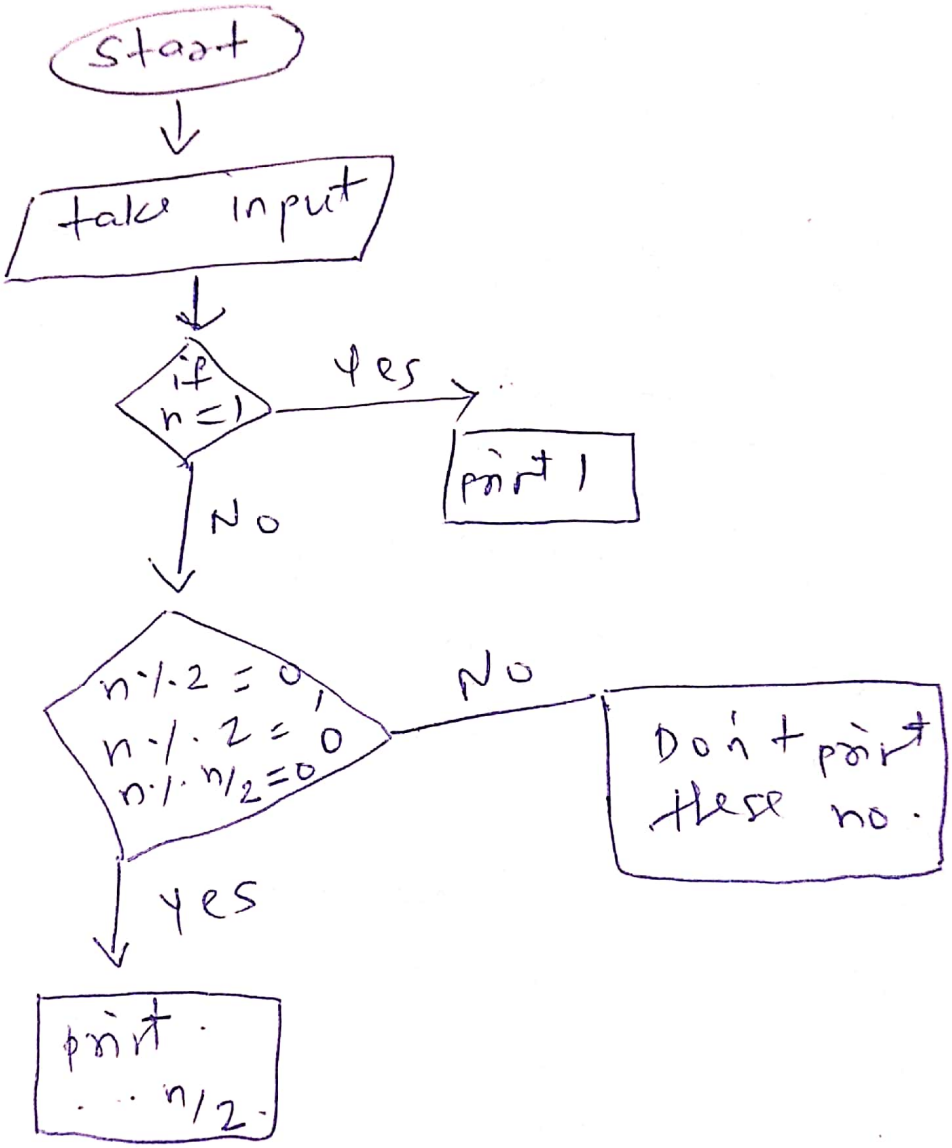
2) Input no

3) If No. < 0
print "Negative no.".

else print "positive no".

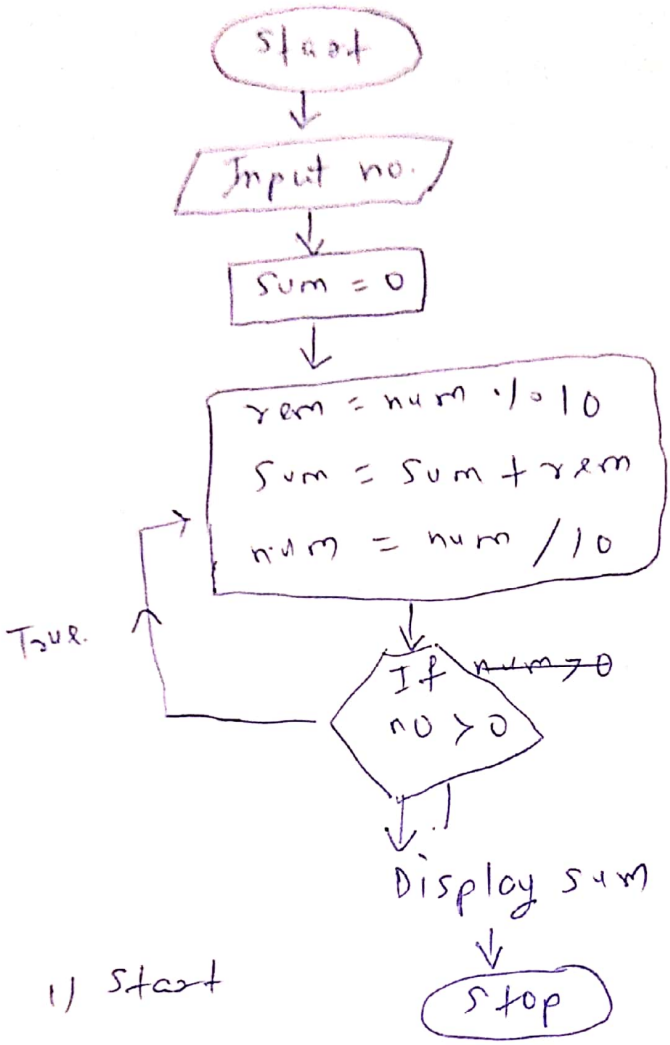
4) Stop.

9) write a java program to print all the factors of given no.



10) Write a Java program to print sum of the digits of given no

→



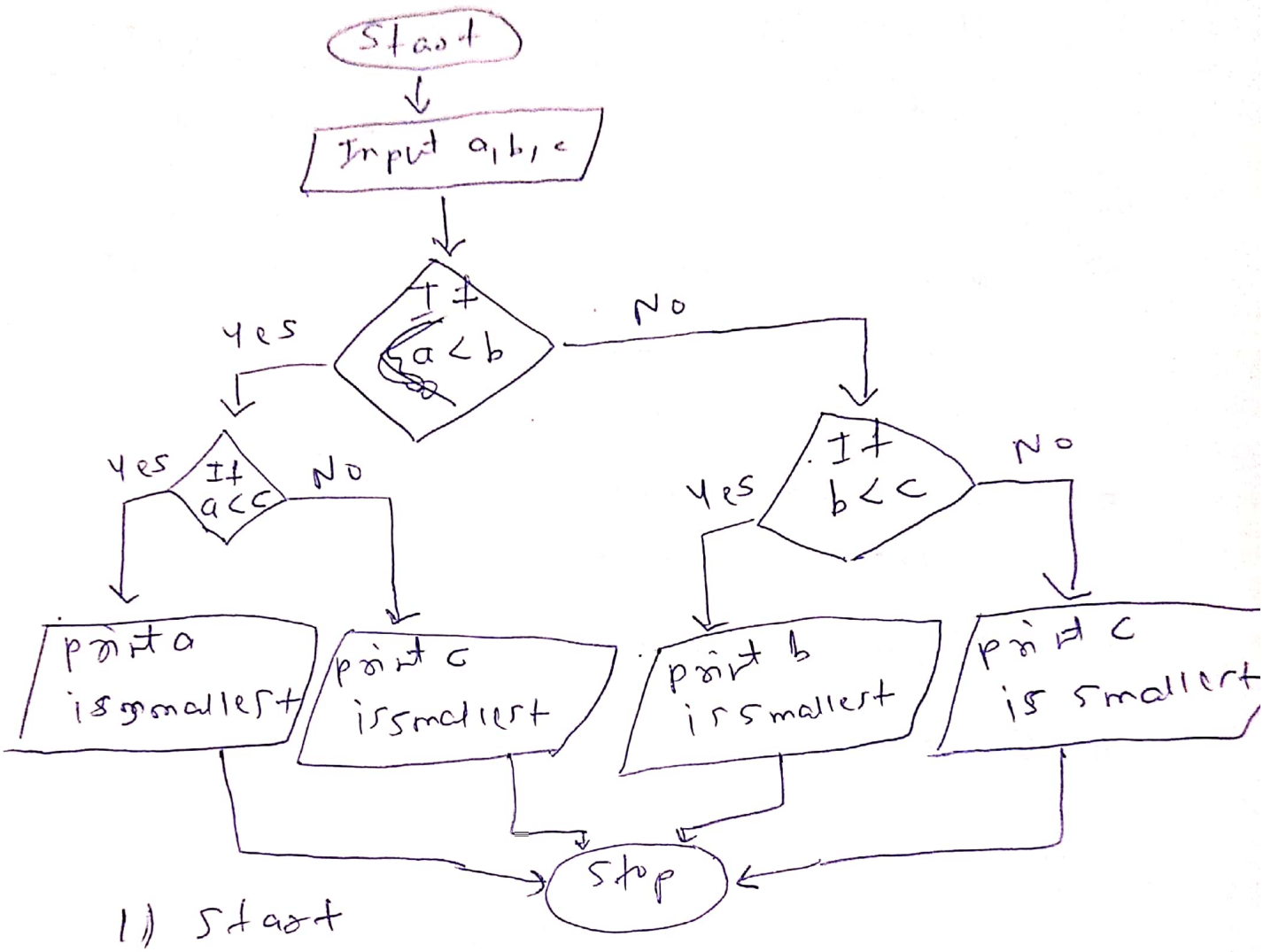
$432 \% 10 = 2$

$43 \% 10 = 3$

$4 \% 10 = 4$

1) Start
2) Input no.
3) Sum = 0
4) rem = no % 10
5) Sum = Sum + rem.
   num = num / 10
5) If (no > 0) then
   goto step 4
   else goto step 6
6) Disply sum
7) Stop

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



1) Start
2) Input three no a,b & c.
3) If a ≤ b then ~~greater~~ smaller a else ~~greater~~ smaller b
4) If ~~greater~~ smaller ≤ c then ~~one~~ smaller = smaller else smaller c.
5) Display smallest
6) stop

13) Write a program to reverse a given no.

1) Start
2) Input no.
3) Sum = 0
4) rem = no % 10
   Sum = Sum × 10 + rem
   num = num / 10
5) If (num > 0) then jump to step 4
   else jump to 6
6) Disply no. (reverse)
7) Stop

123

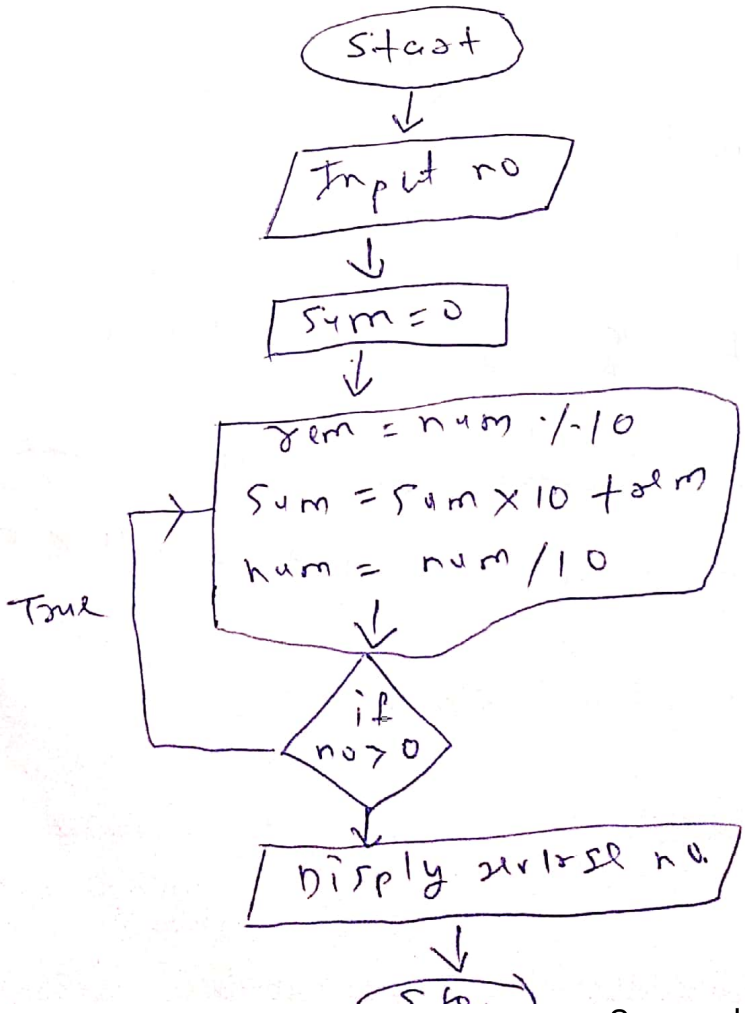
123 % 10 = 3

Sum = 0 × 10 + 3 = 3

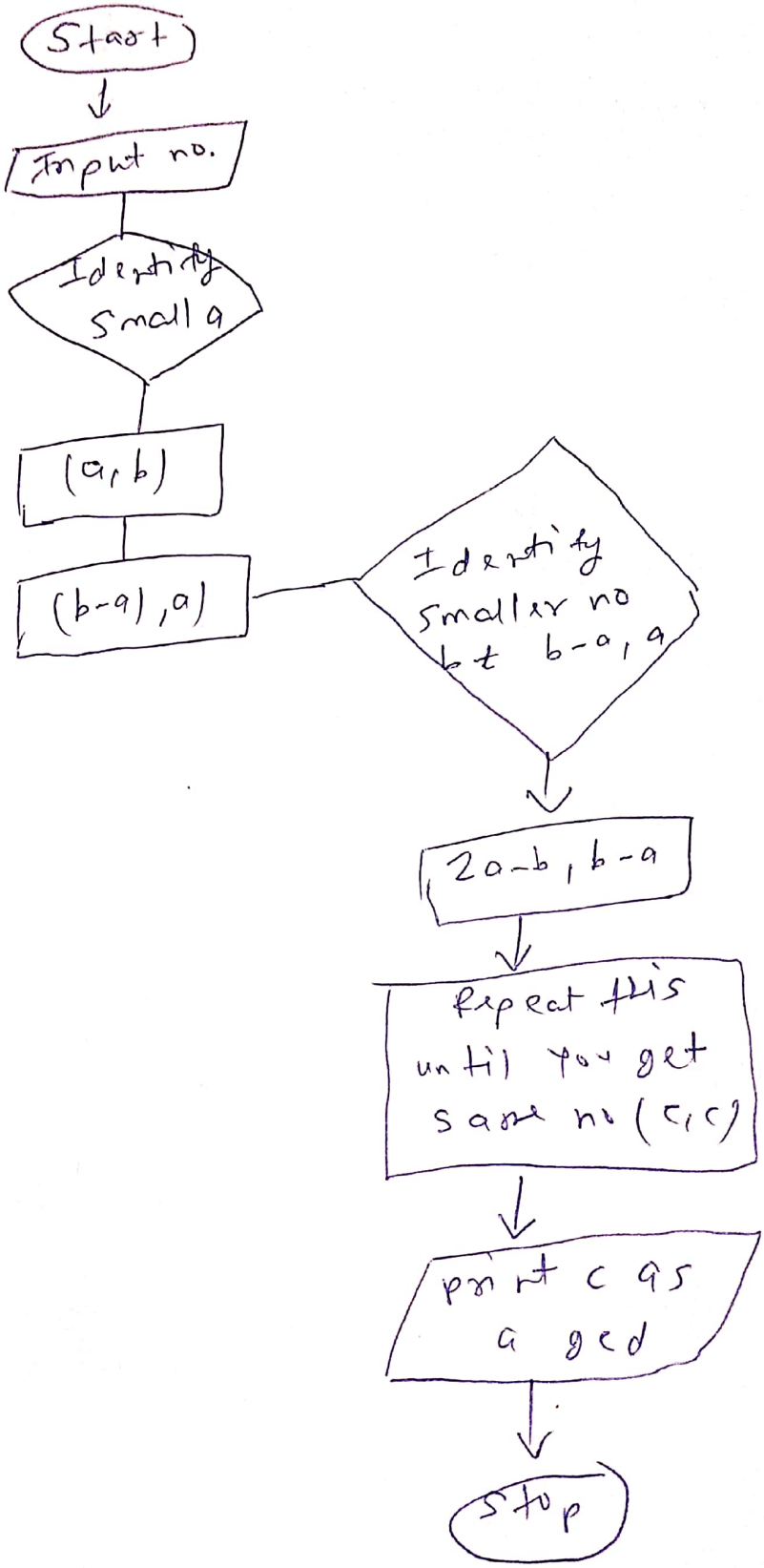
$\frac{123}{10} = 12$

12 % 10 = 2

Sum = 3 × 10 + 2
= 32



14) write a java program to find GCD of two given no.



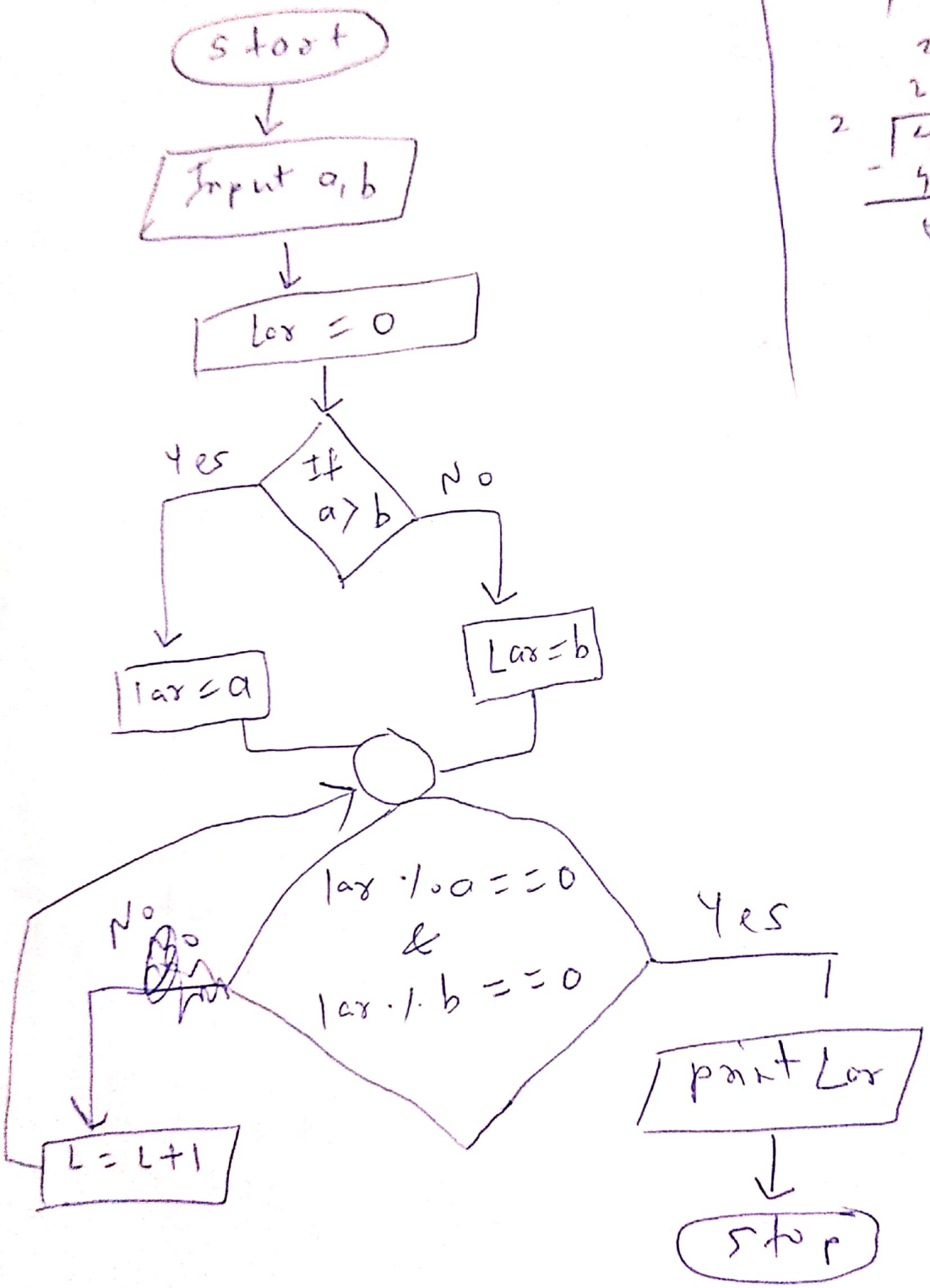
15) write a java program to find LCM of two given no.

2	24
	12

2 x 12 = 24

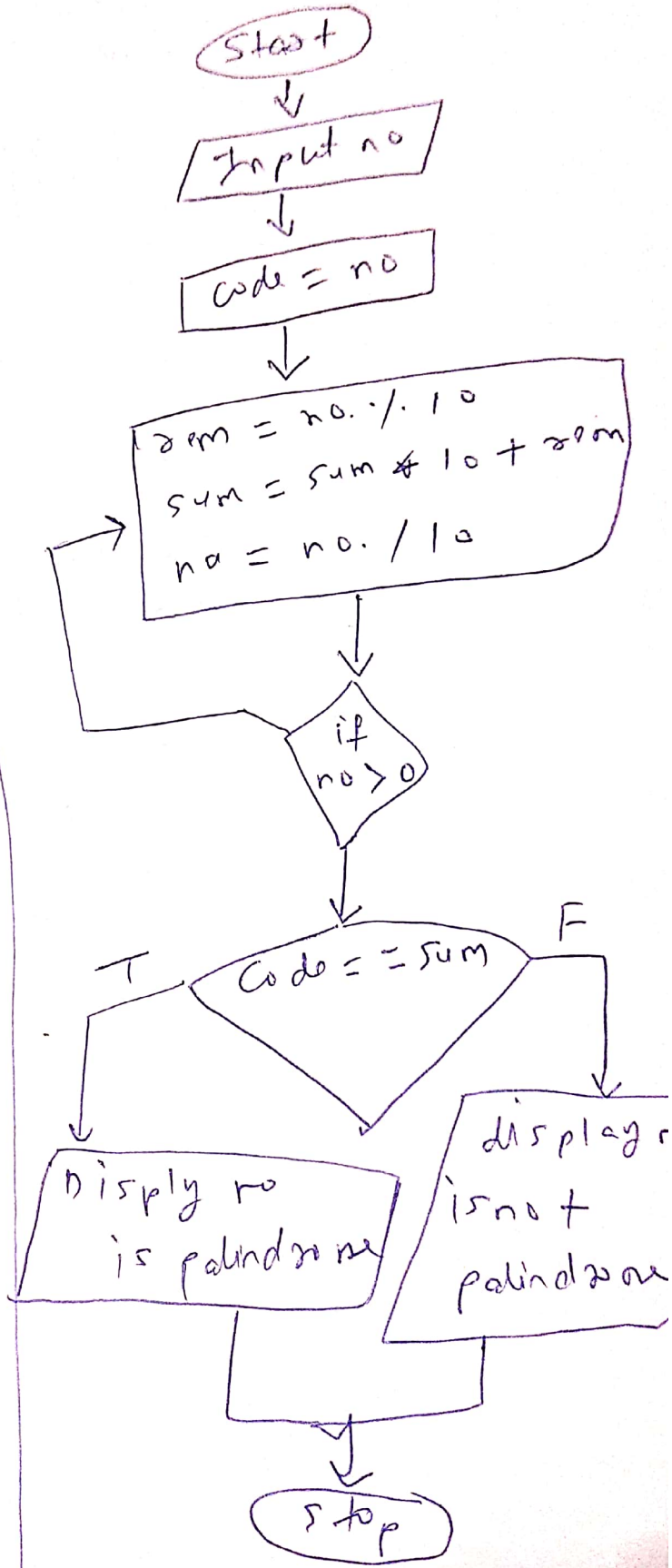
$$\begin{array}{r} 2 \\ 2\overline{)4} \\ -4 \\ \hline 0 \end{array} \qquad \begin{array}{r} 1 \\ 4\overline{)4} \\ 4 \\ \hline 0 \end{array}$$

R = 0



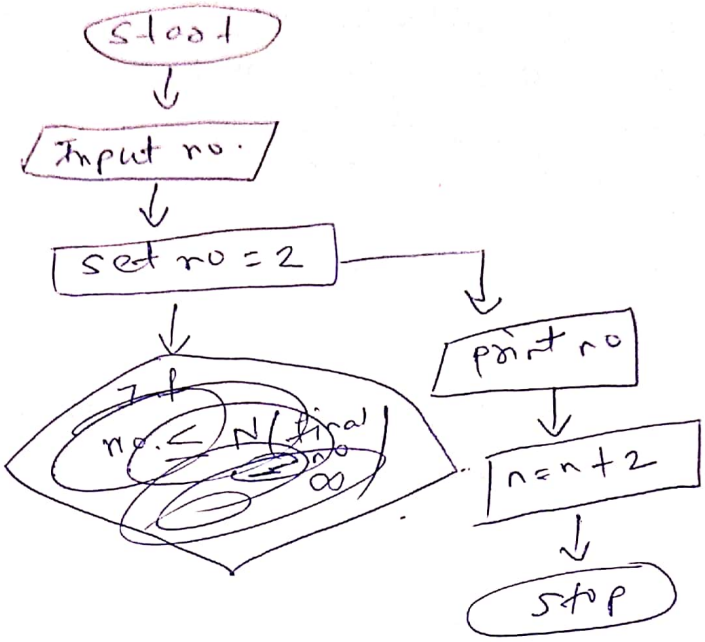
17) check whether the given no is palindrome or NOT

1) Start
2) Input no
3) sum = 0
4) code = no
5) rem = no. % 10
   sum = sum * 10 + rem
   num = no. / 10
6) If no. > 0 then
   goto step 4
7) If (code == sum) then
   display 'no is palindrome
   else
   " no. is not palindrome
8) stop



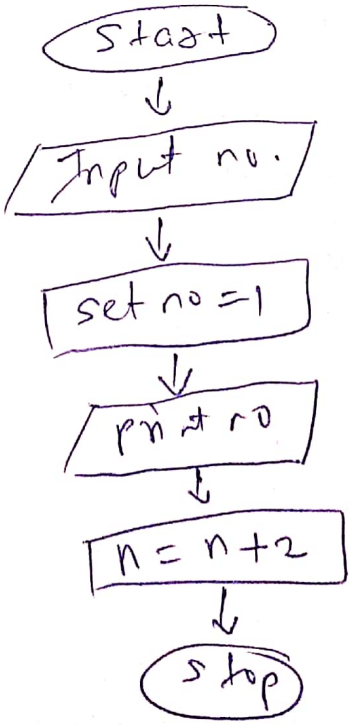
19) print following series even no. series

2 4 6 8 10 12 14 16 ..

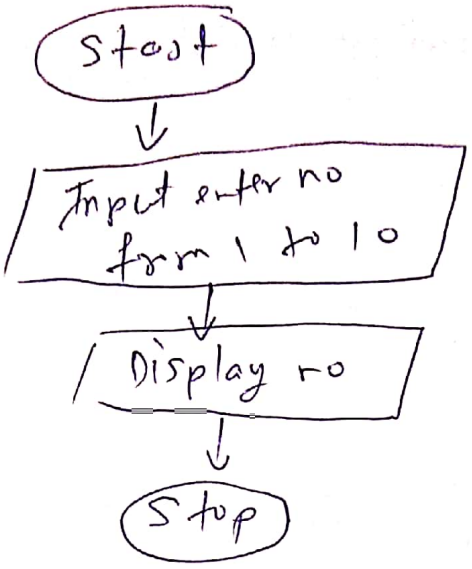


20) print following series odd no.

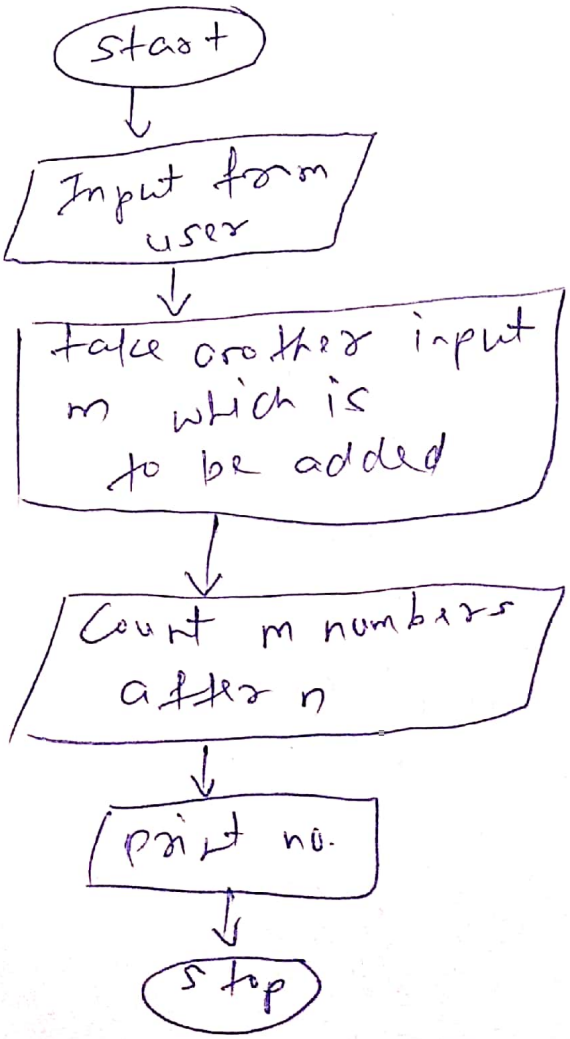
1 3 5 7 9 11 ...



7) program to print 1 to 10 without loop



12) Add two no without using arithmatic operator in Java



18) print prime factor of given no.