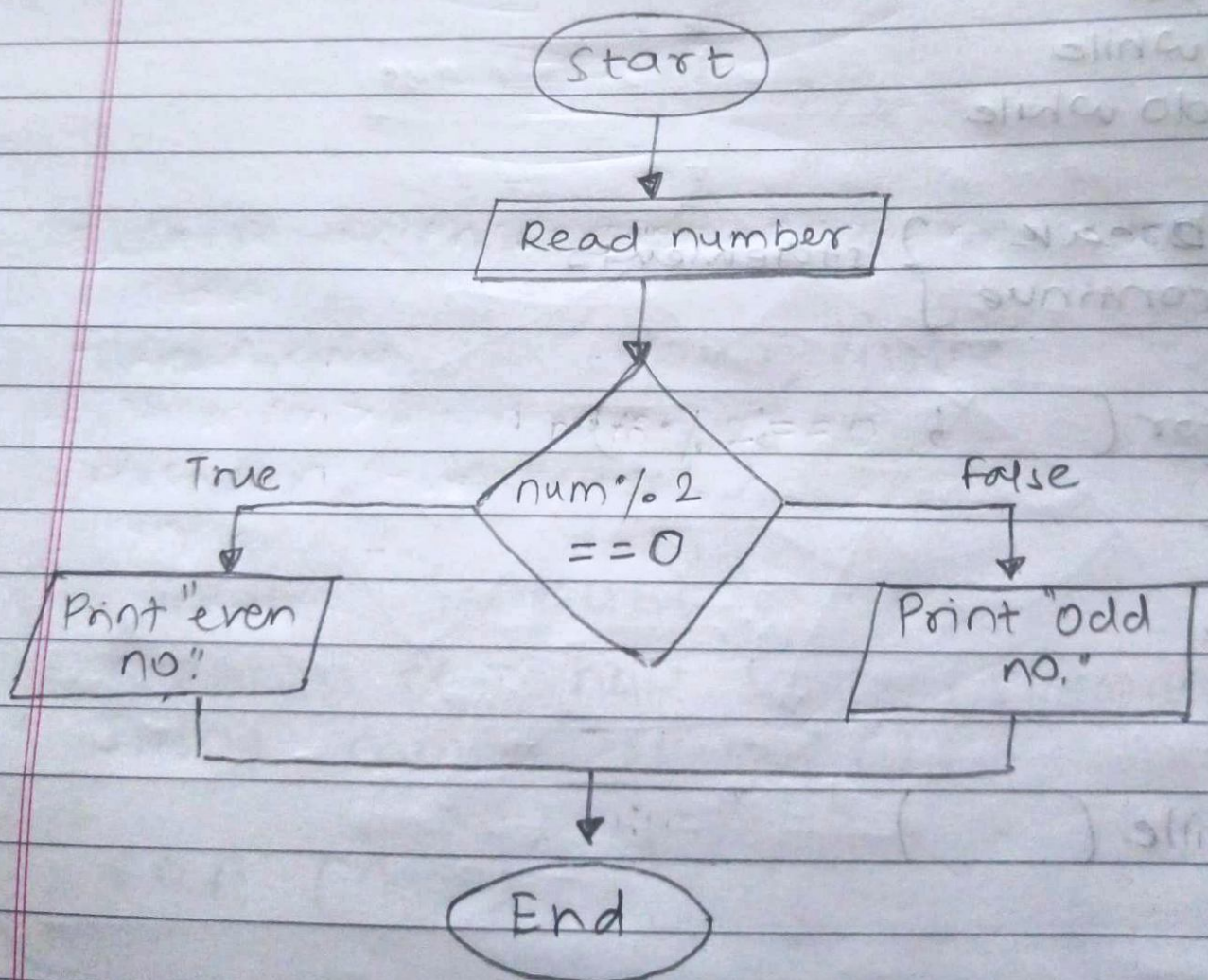


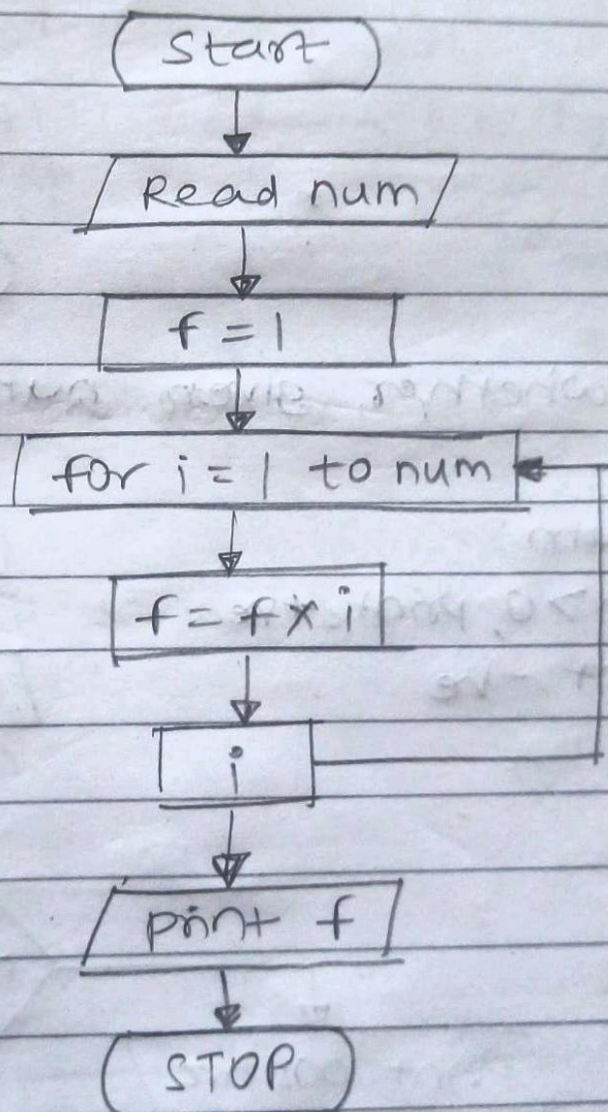
1) Check if given number is odd or even.

- Start
- get value from user
- if $\text{num} \% 2 == 0$
then even no.
- else odd no.
- End



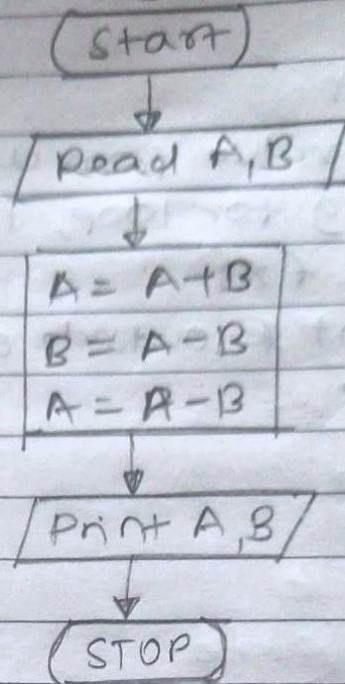
2) Find the factorial of a given number

- Start
- get value from user
- using for loop, $i \leq \text{num}$
- $f = f \times i$
- print f outside of loop
- End



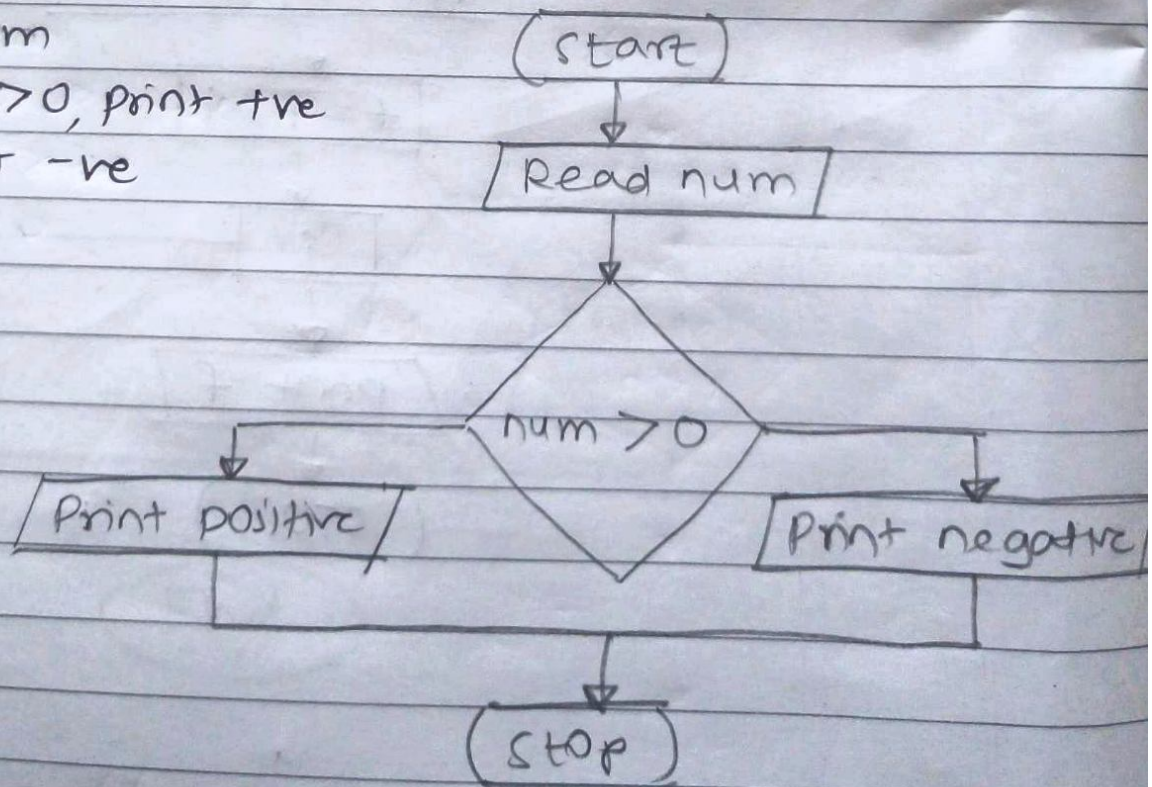
4) Swap two nos. without using third variable

- Start
- Read A, B
- $A = A + B$
- $B = A - B$
- $A = A - B$
- Print A, B
- Stop



5) Check whether given number is +ve or -ve

- Start
- Read num
- IF $num > 0$, print +ve
else print -ve
- Stop



6) check leap year or not
- start

- Read year

- If $\text{year} \% 400 == 0$

print leap year

if else $\text{year} \% 100 == 0$

print nonleap year

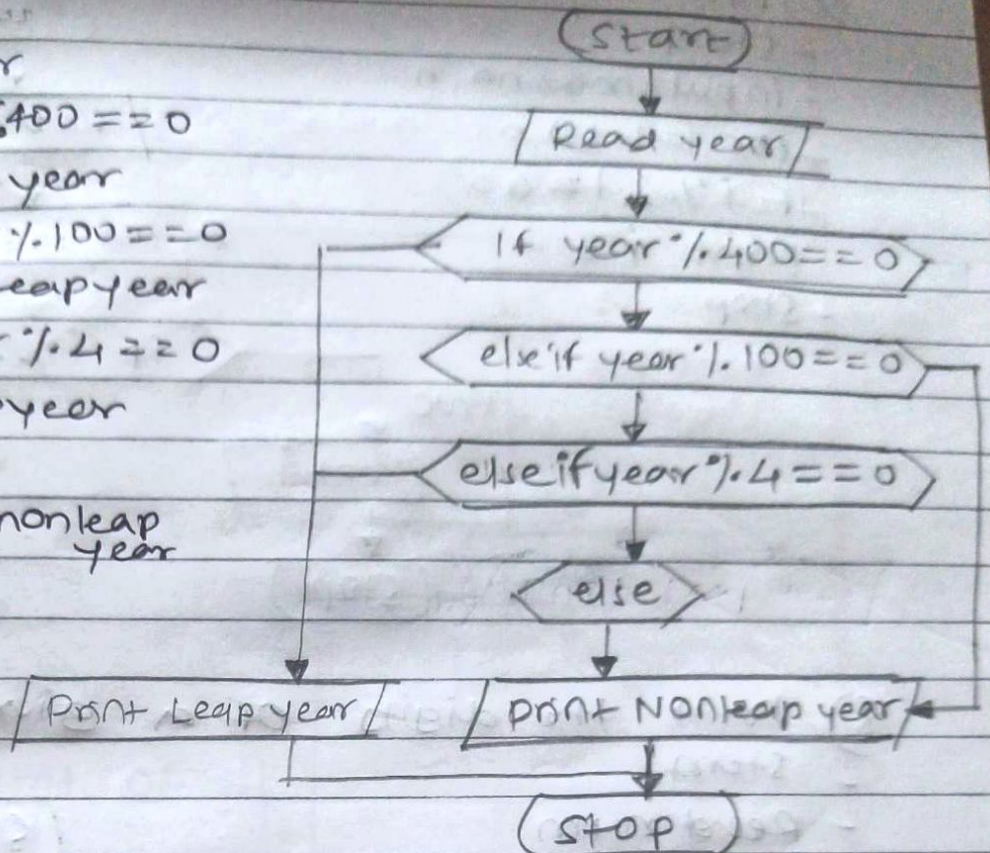
if else $\text{year} \% 4 == 0$

print leap year

- ~~stop~~

else print nonleap year

- stop



19) Print even nos. series 2, 4, 6, ...

- start

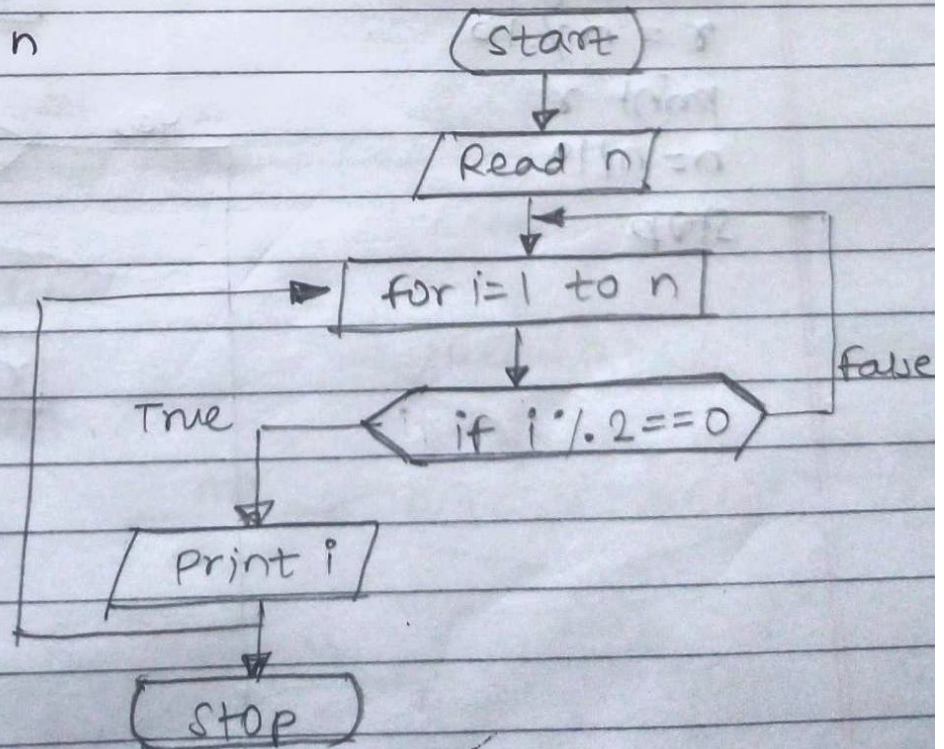
- input max. no. n

- for $i = 1$ to n

if $i \% 2 == 0$

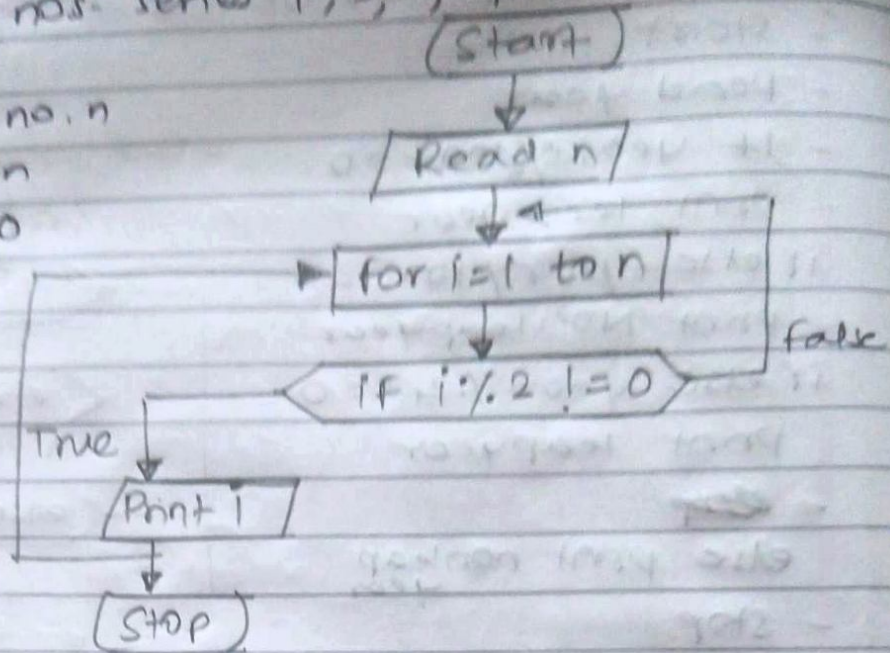
print i

- Stop



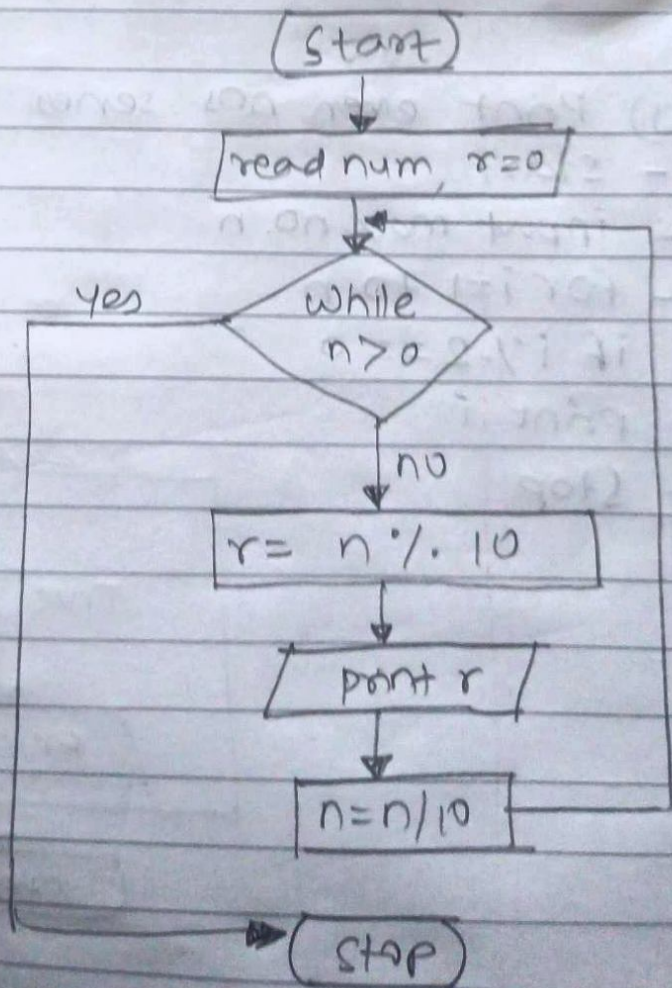
20) Print odd nos. series 1, 3, 5, 7, ...

- Start
- input max no. n
- for i=1 to n
- if $i \% 2 \neq 0$
- print i
- stop



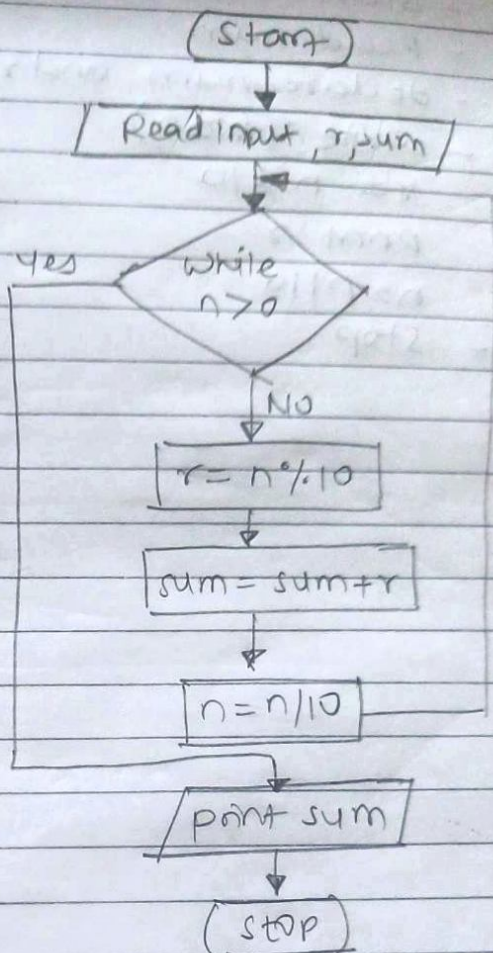
8) print the digits of a given number

- start
- Read num
- Take two variable
- while ($n > 0$)
- $r = n \% 10$
- print r
- $n = n / 10$
- stop



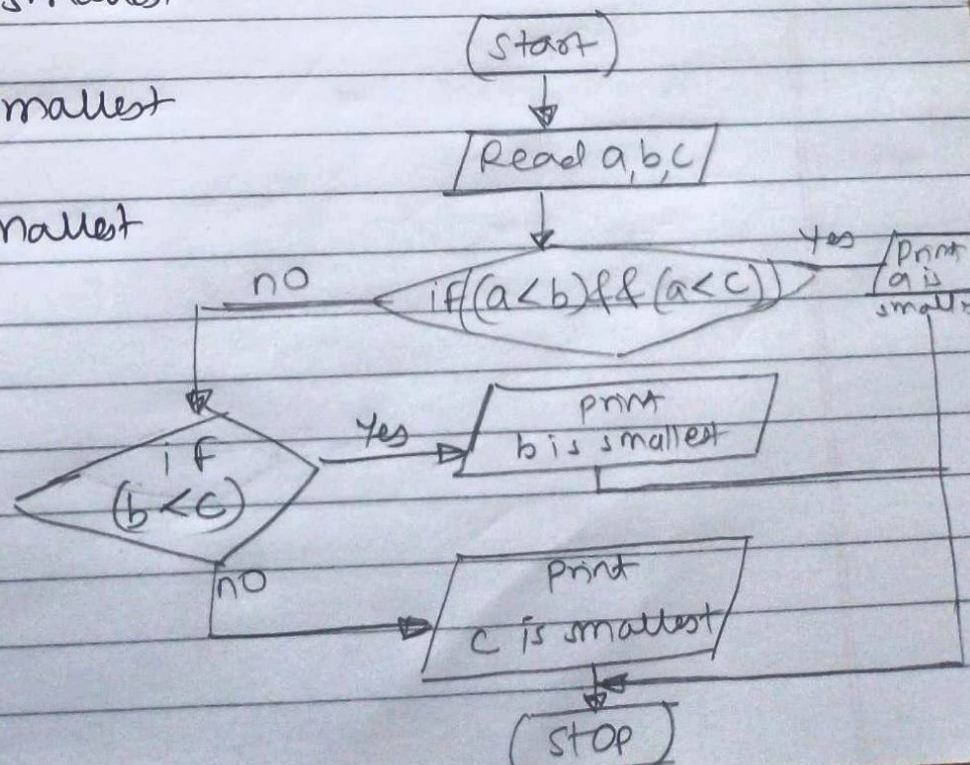
10) Find sum of digits of given number

- start
- read input
- three variables
input, r, sum
- while ($n > 0$)
 $r = n \% 10$
 $sum = sum + r$
 $n = n / 10$
- print sum
- stop



Q.11 Find smallest of 3 nos. a, b, c

- start
- read a, b, c
- check if $a < b$ & $a < c$
then a is smallest
- if $b < c$,
then b is smallest
- ~~if c < a~~
else c is smallest
- stop



13) reverse the given number

- start
- Read num
- declare num and r
- while ($n > 0$)
 - $r = n \% 10$
 - print r
 - $n = n / 10$
- stop

