

# Assignment

- 1) check if the given number is Even or odd  
 ⇒ Algorithm

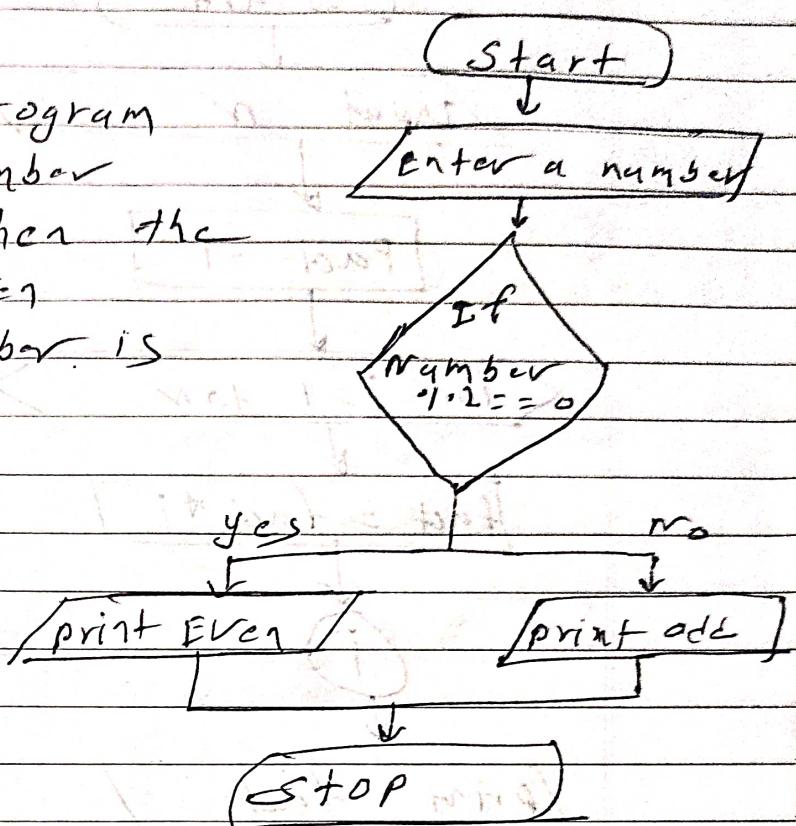
1) start the program

2) input the number

3) If  $n \% 2 = 0$  then the number is even

4) and the number is odd

5) stop



- 2) write a Java program to find the factorial of given number

⇒ Algorithm

1) Start

2) create an instance of scanner class

3) Declare a variable

4) Ask the user to initialize the variable

5) Declare a variable to store the factorial of number

6) Initialize the variable to 1

7) Use a for loop to calculate the factorial

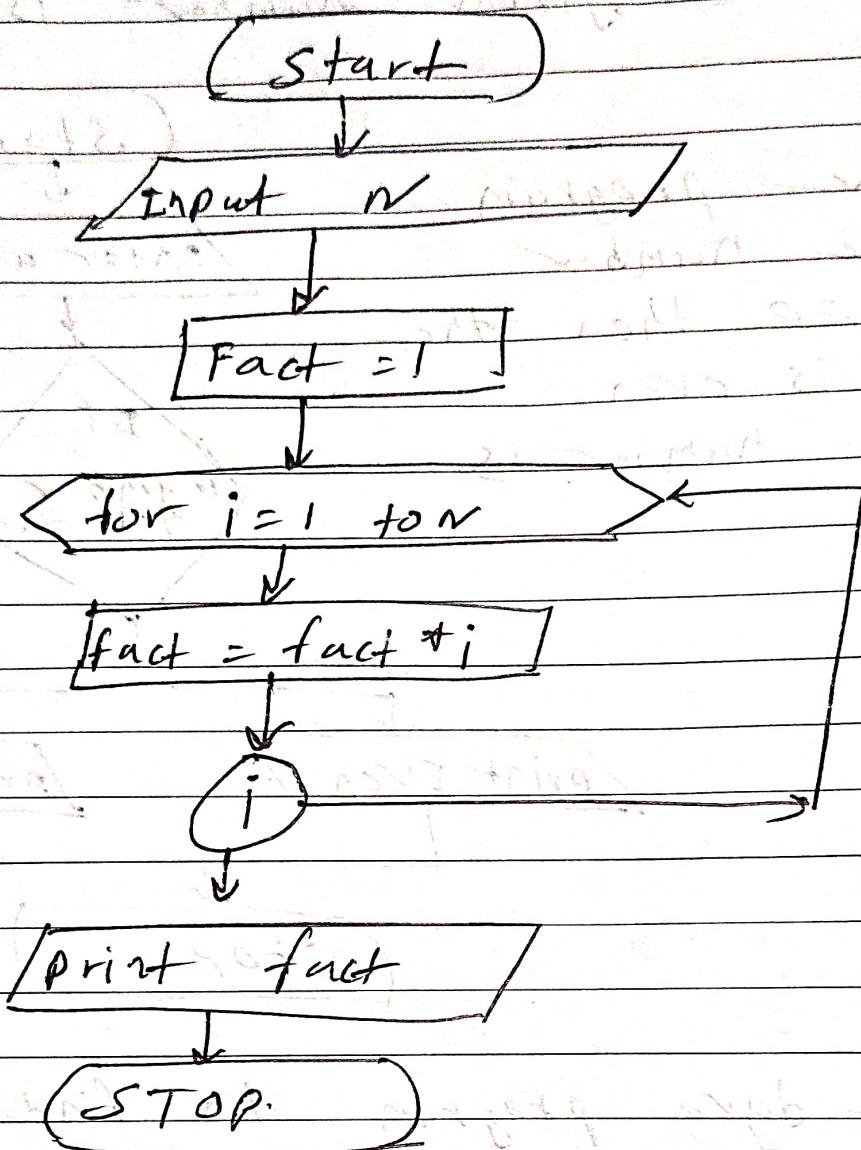
8) Update the factorial variable by multiplying it with the loop variable in each iteration

9) print factorial of the number

10) Stop

## flow chart

2)



4) Swap two number without using the third Variable approach  
 → Algorithm

flow chart

1) Start

2) Enter A,B

3) print A,B

4)  $A = A + B$

5)  $B = A - B$

6)  $A = A - B$

7) print A,B

8.) End

START

Input A,B

$A = A + B$

$B = A - B$

$A = A - B$

Print A,B

STOP

5) How to check whether the given number is positive or negative in Java?

(START)

1) Start

2) Enter number

Enter a number

3) If number > 0 then

positive number

4) else number is

negative number

5) End

IF  
number  
> 0

print positive

print negative

(STOP)

6) ~~write~~

write a java program to find whether a given number is leap year or not

1) Start

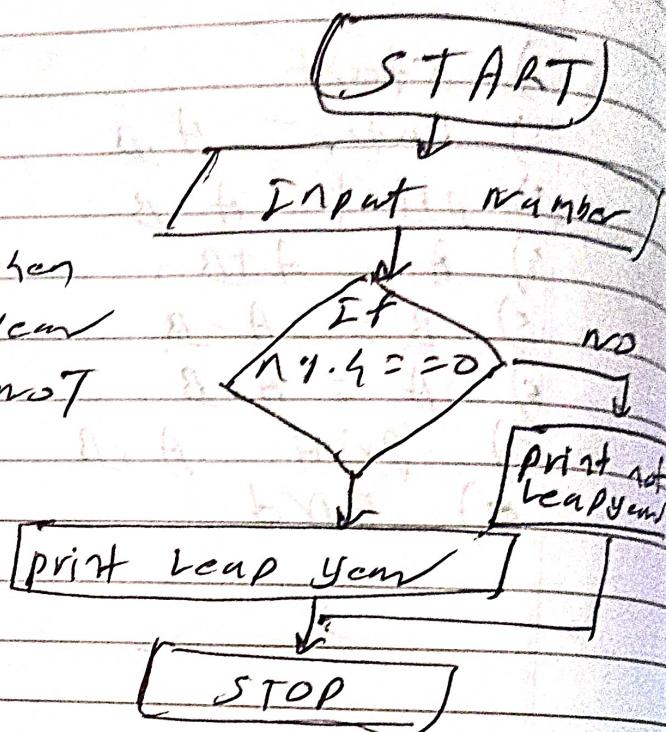
2) Enter number

3) If  $N \% 4 == 0$  then

Number is leap year

4) else number is not leap year

5) End



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

1) Start

2) print 1 to 10

numbers

3) Stop

(Start)

print 1

print 2

print 10

(Stop)

- Q) write a Java program to find  
smallest of 3 number (a, b, c)  
flow chart

- 1) Start
- 2) Enter Value of a, b, c

3) If no. 1 < no. 2 & &  
 $no.1 < no.3$

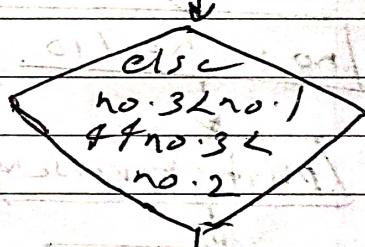
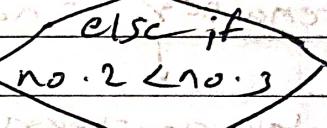
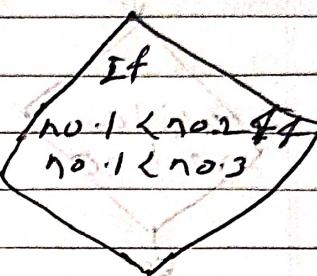
4) else if no.2 < no.3  
& &  $no.2 < no.1$

5) else  $no.3 < no.1$  &&  
 $no.3 < no.2$

6) END

(Start)

[input number a,b,c]



(Stop)

+3)

- B) write a Java program to reverse  
a given number

1) Start

2) Enter number

3) while number != 0

4) remainder remainder = no.%10

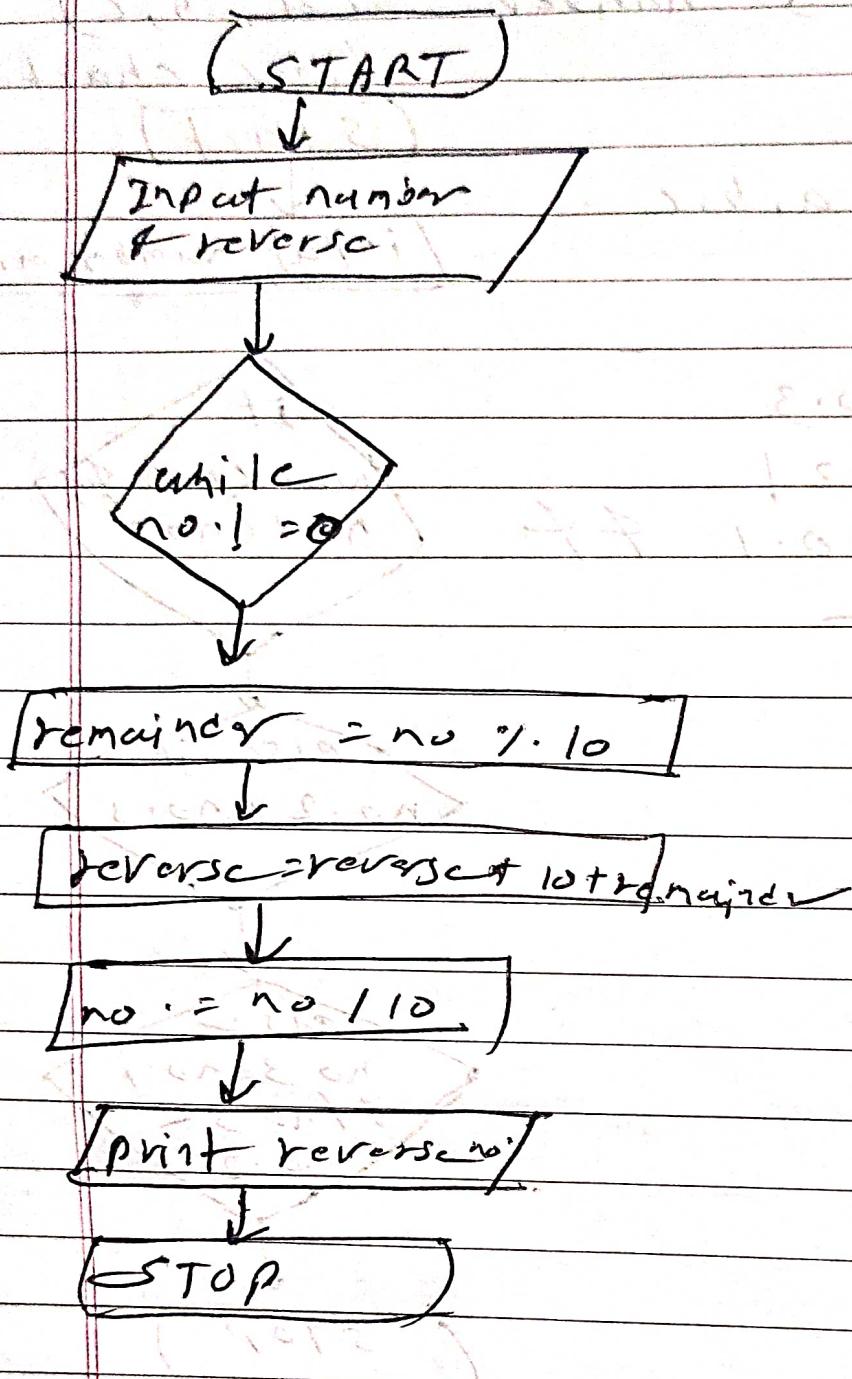
5) reverse = reverse \* 10 + remainder

6) no. = no/10

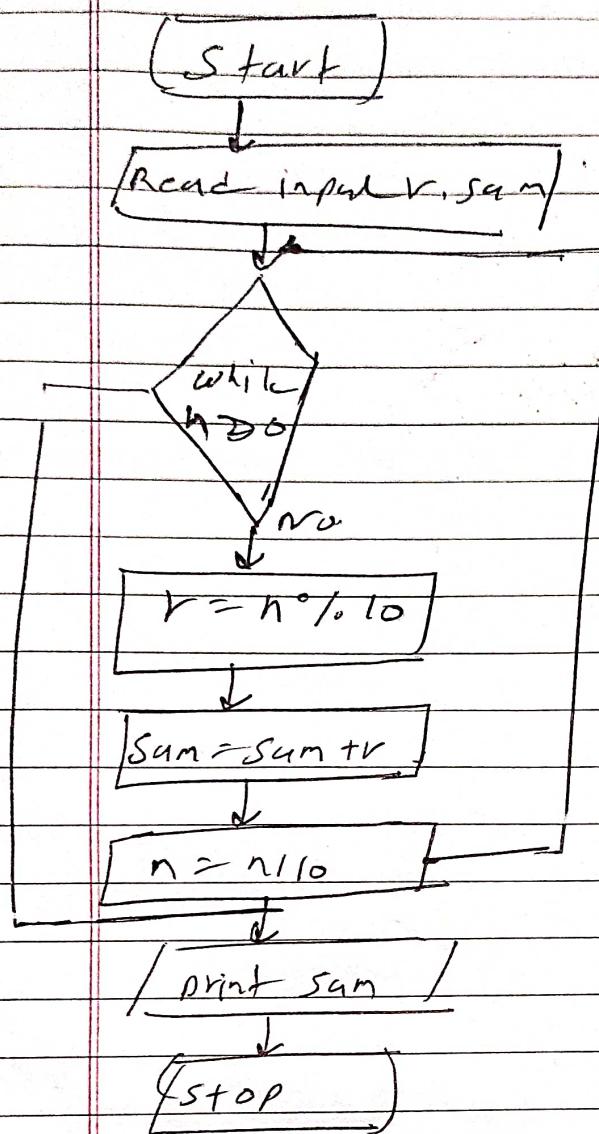
7) print reverse number

8) END

(3) flow chart



Q3) flow chart



Q4) find sum of digits of given number

- Start
- read input
- three variable
- \* input . r, sum
- while  $n \geq 0$
- $Sum = sum + r$
- $n = n / 10$
- print sum
- stop.

Q5) print the digital of a given number

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

