Flow Charts and Pseudo Codes

1) Steps to Solve a Given Problem:

- Understand the Problem.
- Given Values & Variable Ranges.
- Approach (Flowchart & Pseudocode)

2) Flow Chart:

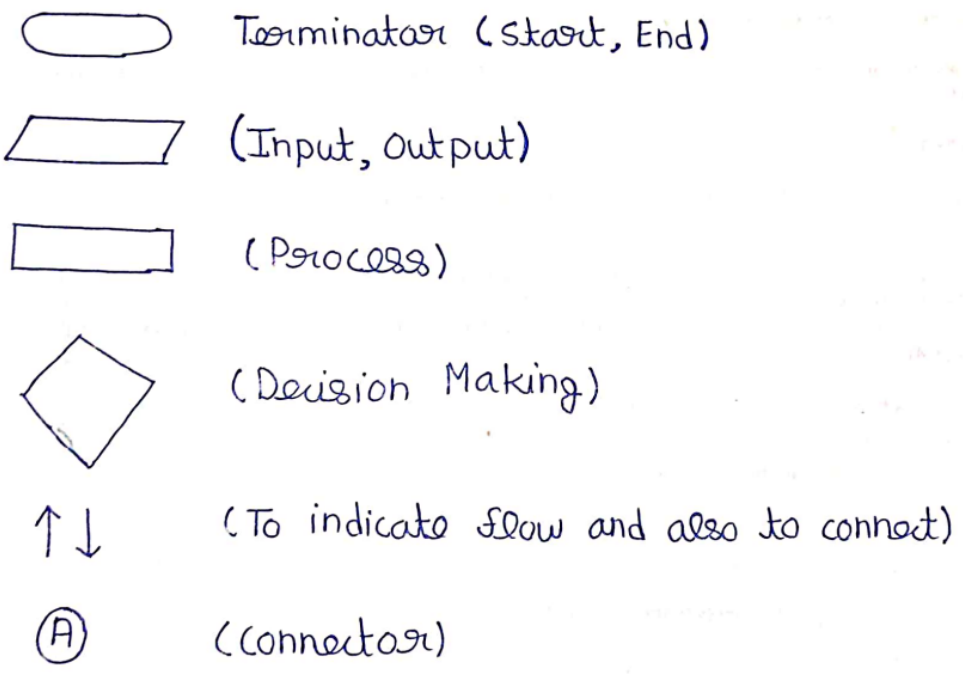
Flow Chart is the diagrammatical representation of a solution.

3) Pseudo Code:

Pseudo Code is the textual representation of a solution. It is a general way of representing a logic.

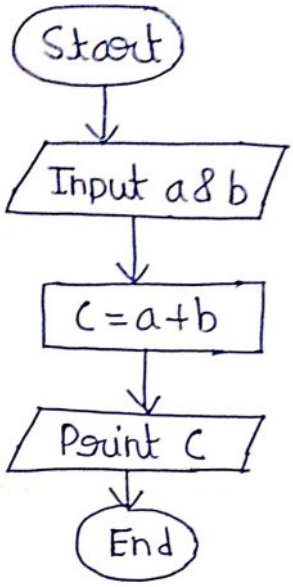
4) Element of a Flow Chart:

The elements of flow chart are as follows.



Question 1:

Sum of two given number a and b.



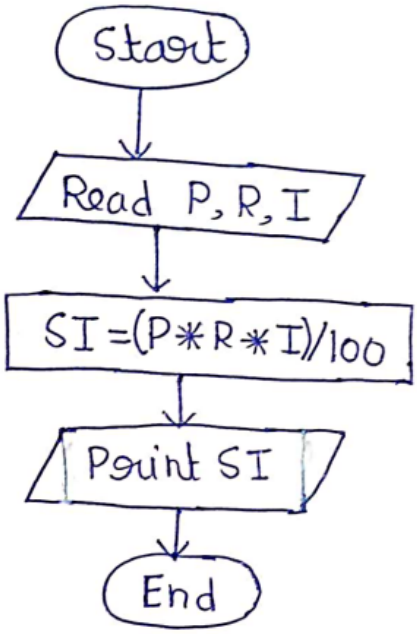
Pseudo Code–

1) Read two numbers a and b.
2) Sum = a+b
3) Print Sum

Pseudo Code is a general way of representing a logic.

Question 2:

Calculate the Simple Interest.

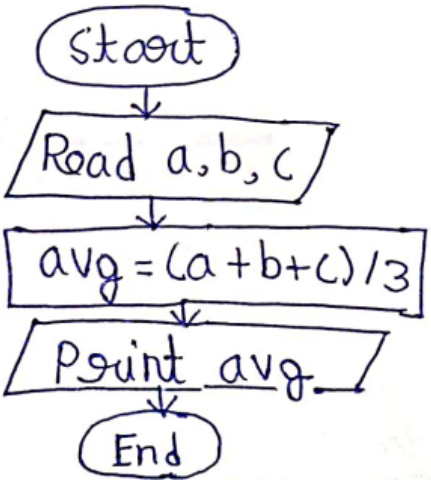


Pseudo Code–

1) Read P, R, I
2) SI = (P*R*I)/100;
3) Print SI.

Question 3:

Calculate the average of three numbers.

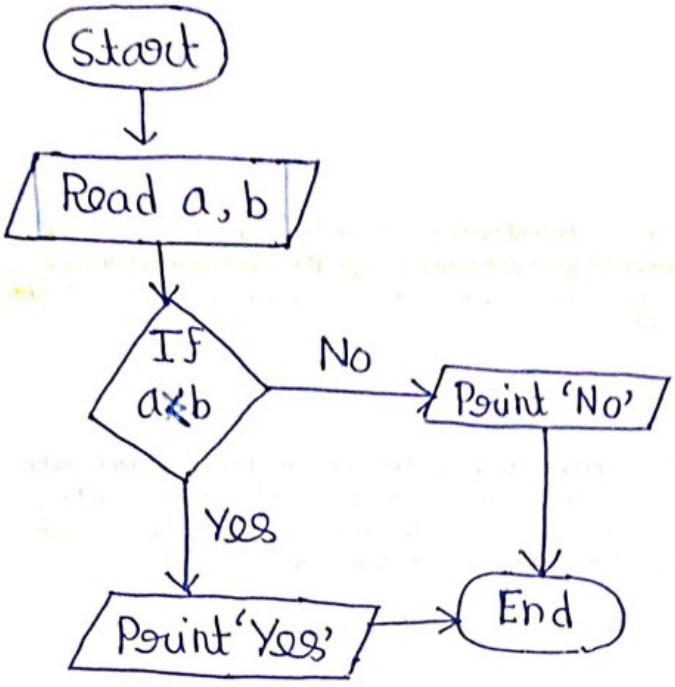


Pseudo Code -

1) Read a, b, c
2) avg = (a+b+c)/3
3) Print avg.

Question 4:

Check if a number is greater than other number or not.

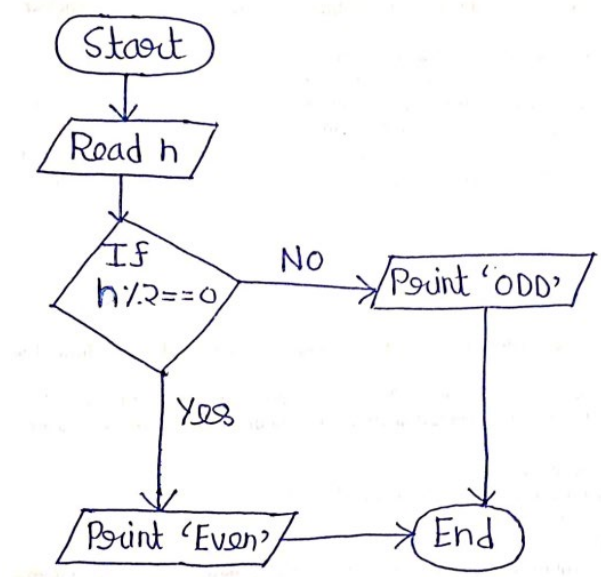


Pseudo Code -

1) Read a, b
2) if a<b
Print 'Yes'
else
Print 'No'

Question 5:

Check if a number is even or odd.



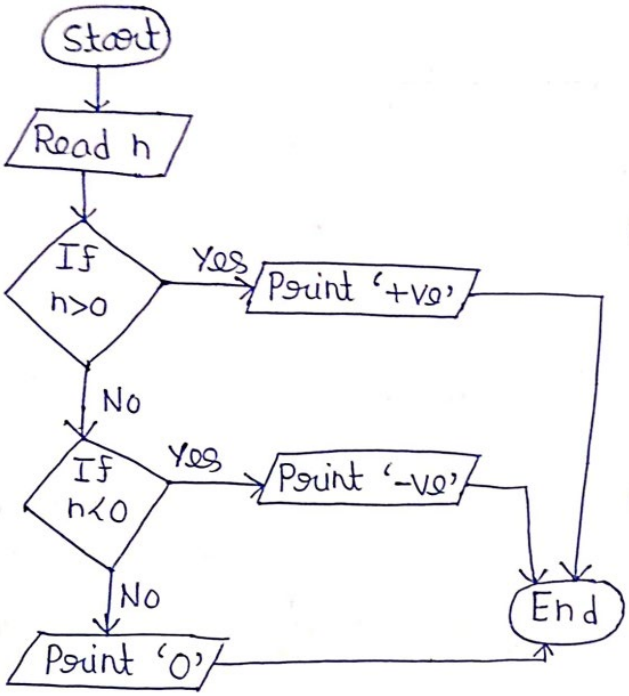
Pseudo Code–

1) Read n

2) If n%2==0
Print 'Even'
else
Print 'Odd'

Question 6:

Check if number is positive, negative or zero.



Similar Question-

Check whether a triangle is valid or not.

Condition–

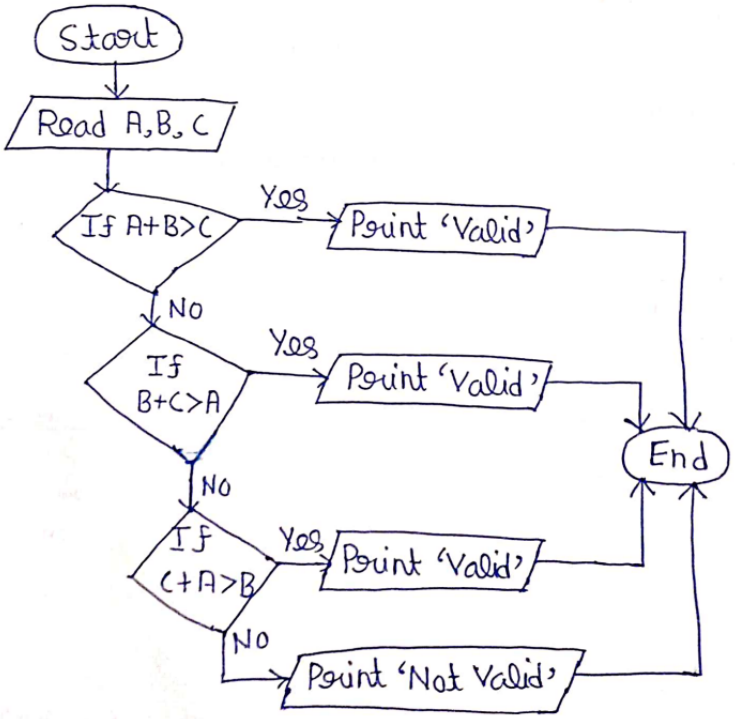
A+B > C

B+C > A

C+A > B

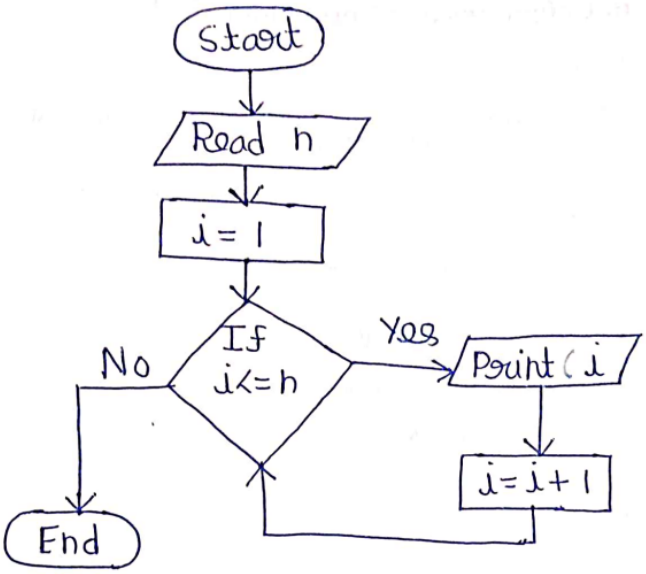
Question 7:

Check if a triangle is valid or not.



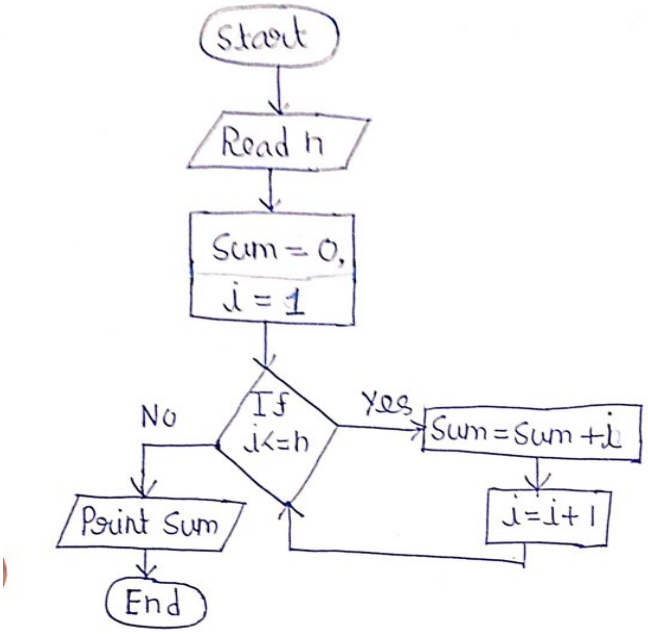
Question 8:

Print number from 1 to n.



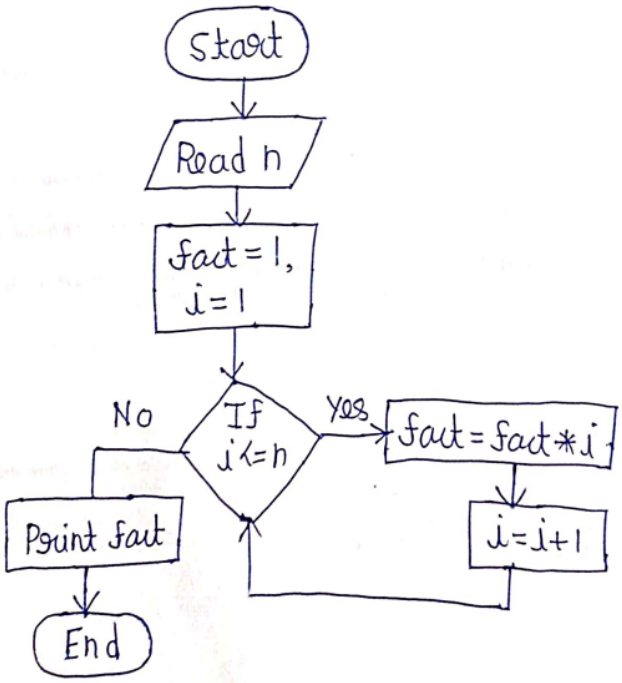
Question 9:

Find sum from 1 to n.



Question 10:

Find the factorial of a number.



Question 11:

Check if a number is prime or not.