Flowcharts

Steps to solve any coding question:

- 1. Analyze the problem
- 2. Think of solution
- 3. Pen down the solution
- 4. Code the solution

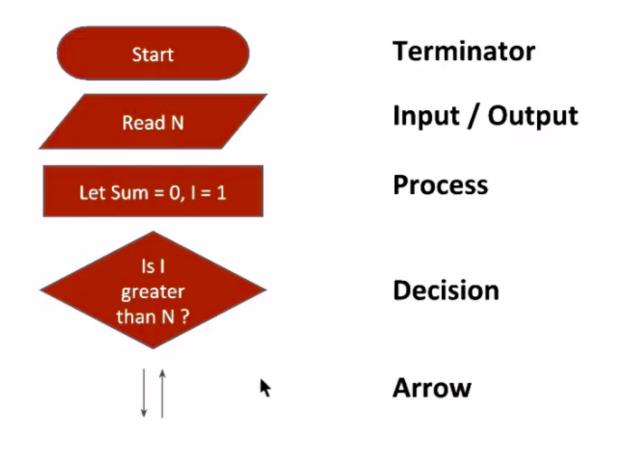
Flowchart:

- · Diagrammatic representation of solution to a given problem
- It break down the solution into small pieces and and display them visually

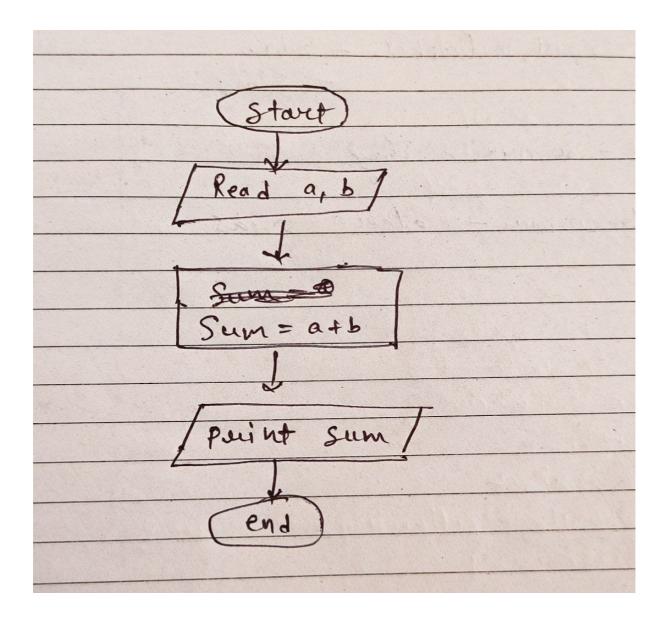
Advantages:

- · debugging is easy
- language independent
- reduce complexity of problem to reduce into smaller pieces

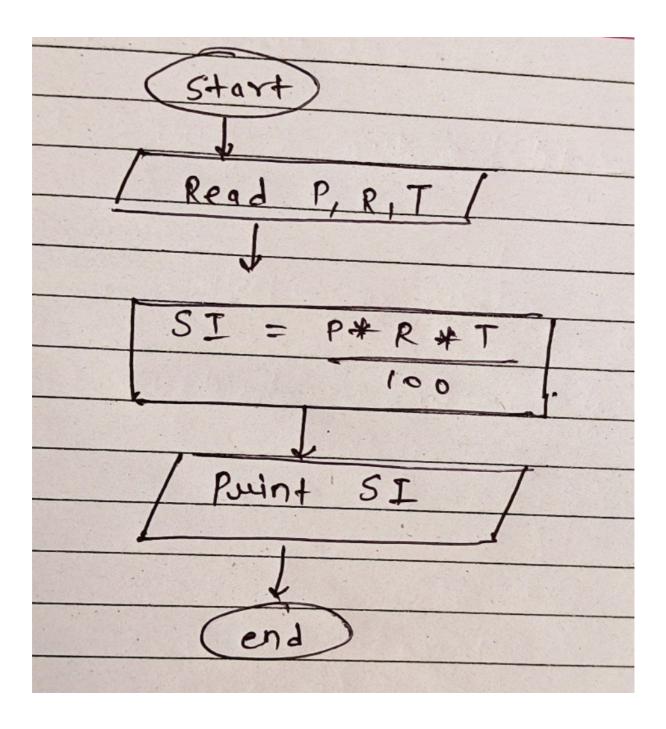
Components of Flowchart:



Ques: Adding Two numbers

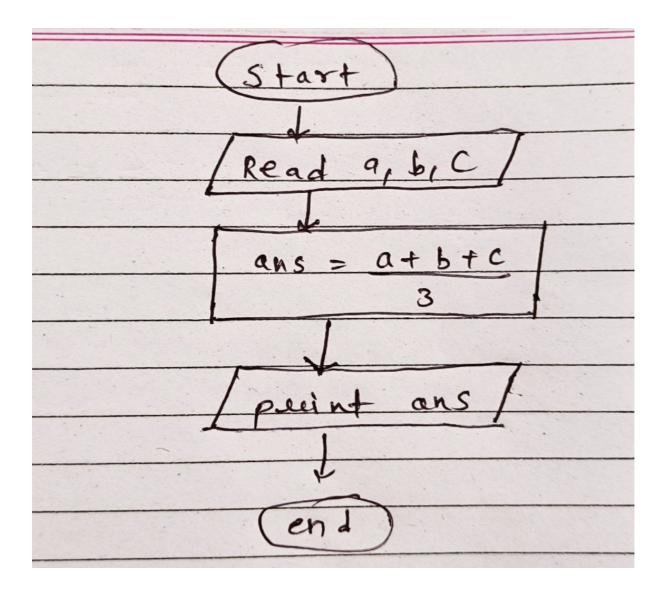


Ques: Find simple interest



Ques: Average of three numbers

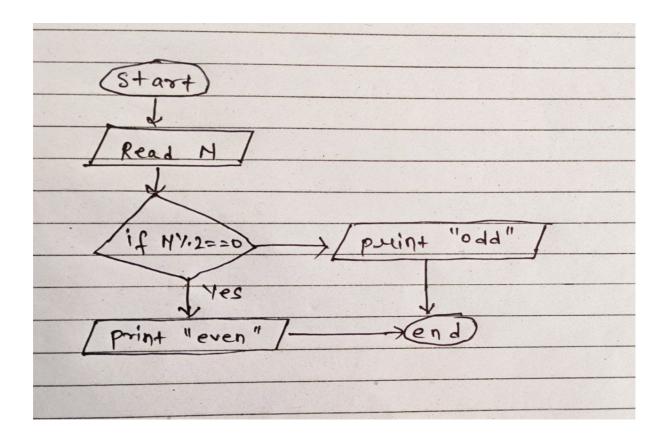
You are given three numbers. You need to calculate and print their average value. Draw a flowchart for this process.



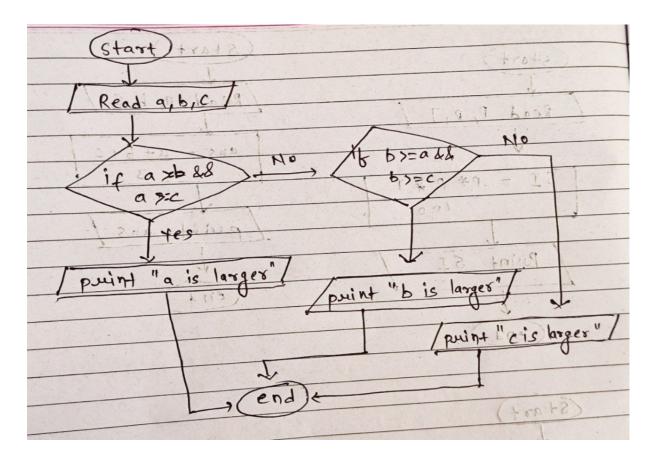
Decision Making Algorithm

when we have some condition then in flowchart we represent it by rhombus diagram.

Ques; Given number is odd or even



Ques: Largest of three numbers



Ques: Check Number

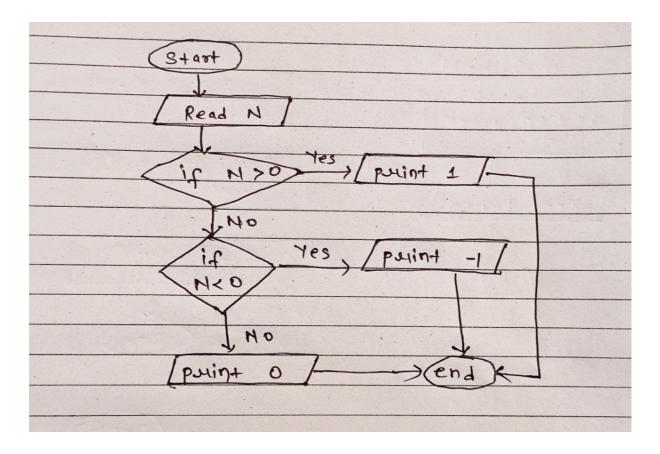
You are given a single number. You need to print one of the following outputs according to the number's nature.

Print 1, if the number is positive

Print -1, if it's negative

Print 0, if it's equal to 0

Draw a flowchart for this process.

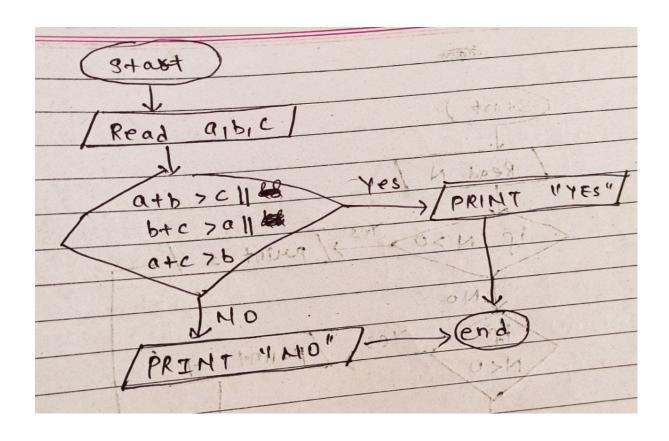


Ques: Valid Triangle

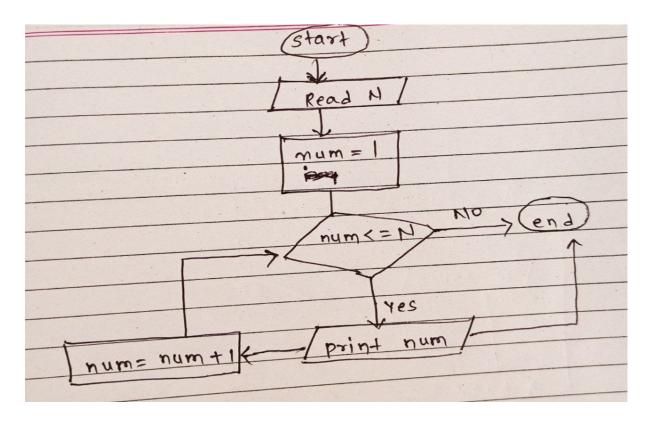
You are given 3 numbers. Each number represents the length of a line. You need to figure out whether these lines can form a valid triangle.

If a valid triangle can be formed, print "Yes", otherwise print "No".

Draw a flowchart for this process.



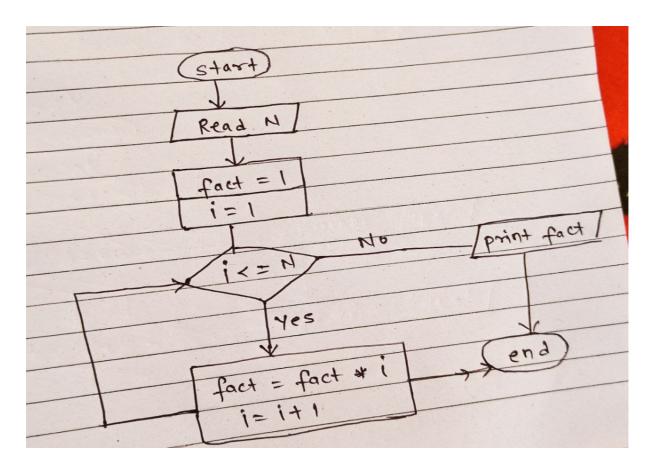
Ques: Print 1 to N



Ques: Find Product

You are given a single non-negative integer, N. You need to calculate and print N factorial (N!)

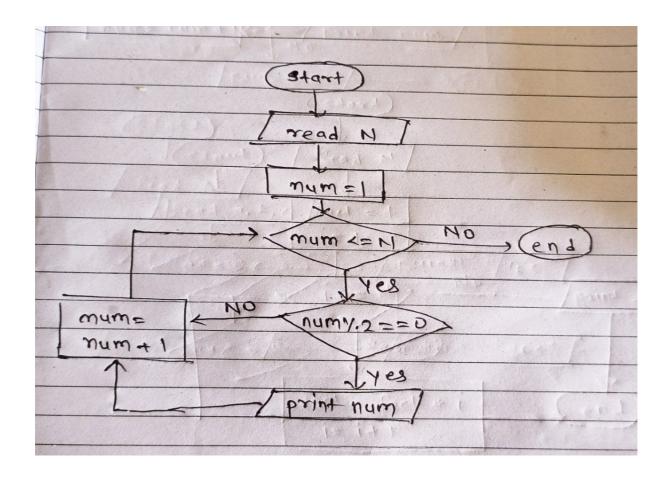
N factorial is defined as the product of all integers from 1 to N (both inclusive) Draw a flowchart for this process



Ques: Print Even Numbers

You are given a single positive integer, N. You need to print all even integers that occur between 1 and N (both inclusive).

Draw a flowchart for this process



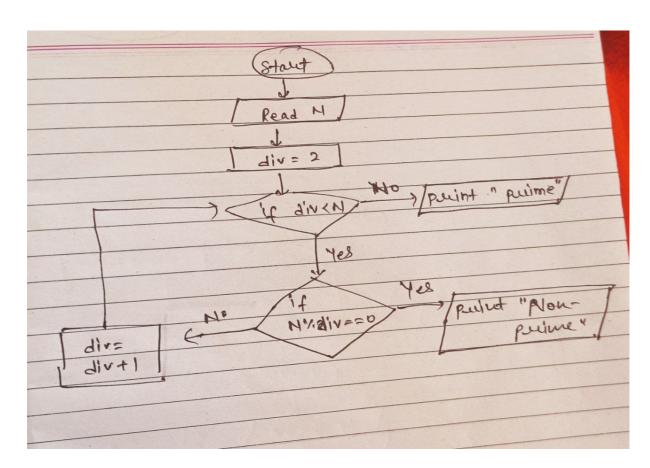
Ques: Check number is prime or not

Note:

prime number:

| logic i |

flowchart:



Ques: Largest of N numbers

