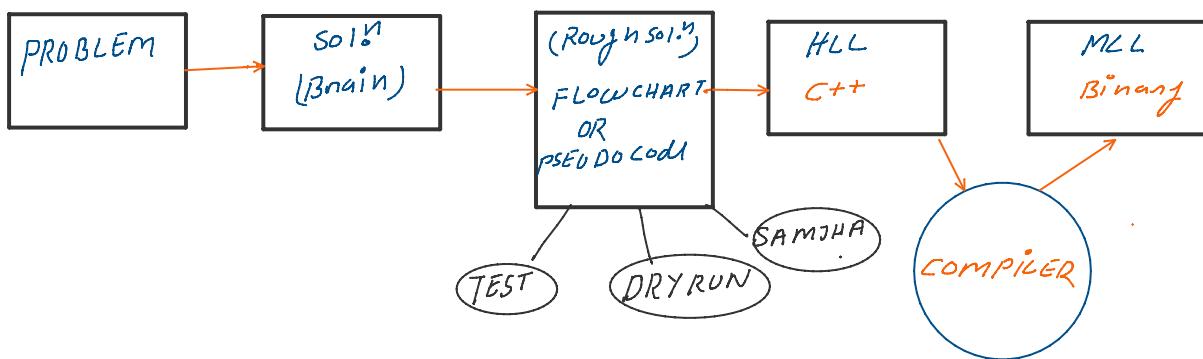


CLASS 1st — 23/08/23
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HOW TO APPROACH PROBLEM

- 1) Understand the Problem
- 2) Enter appropriate input values
- 3) Create logics / Algorithms



WHAT IS PSEUDOCODE?

It is step-by-step written outline of your code that you can gradually transcribe into programming language.

EXAMPLE SUM OF A & B

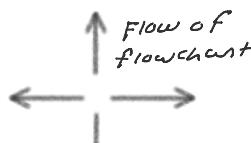
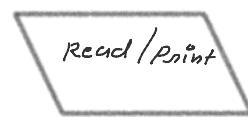
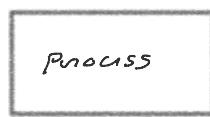
PSEUDO CODE EXAMPLE

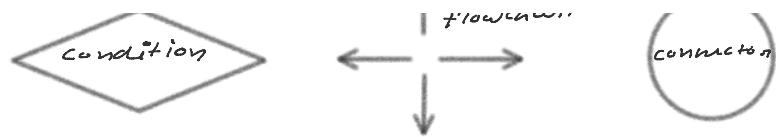
- ↳ Take input a & b
- ↳ Let sum = a+b
- ↳ Print sum

WHAT IS FLOWCHART?

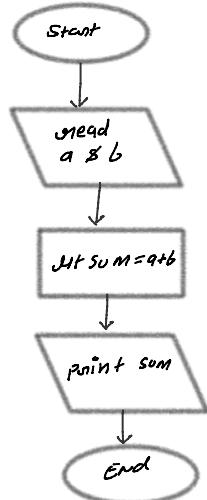
It is a diagrammatic representation of an algorithm.

COMPONENTS OF FLOWCHART

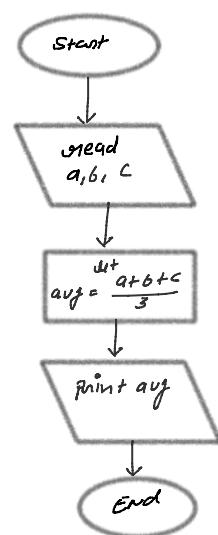




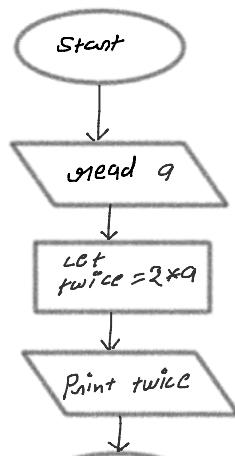
→ print sum of A & B.

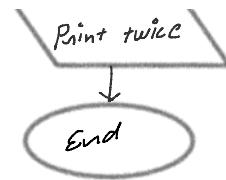


→ Average of a,b,c

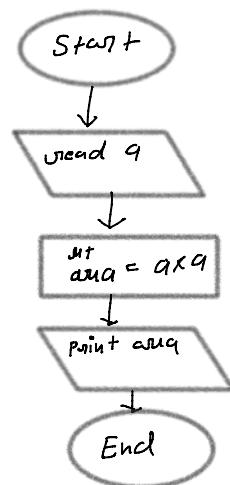


→ print twice of a

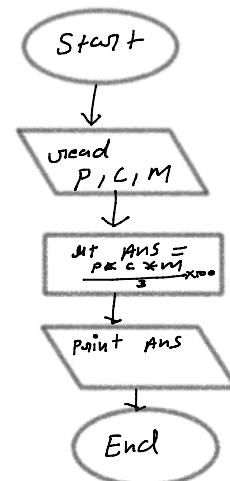




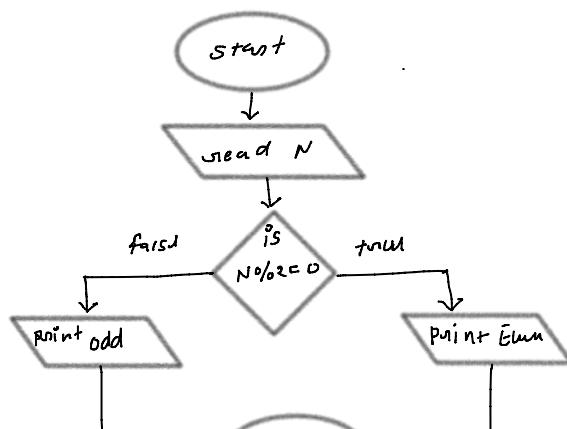
→ Find area of square

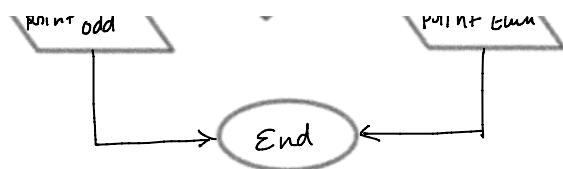


→ calculate overall percentage from marks

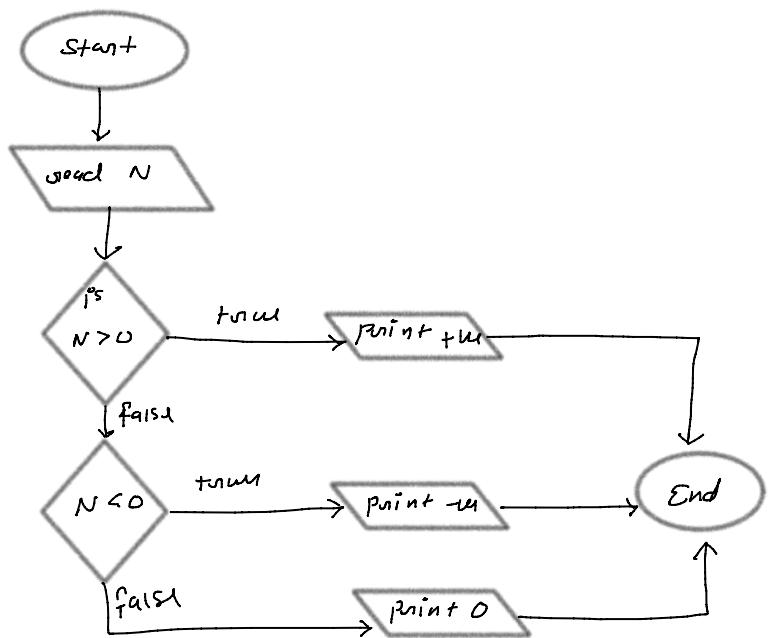


→ check if number is even/odd



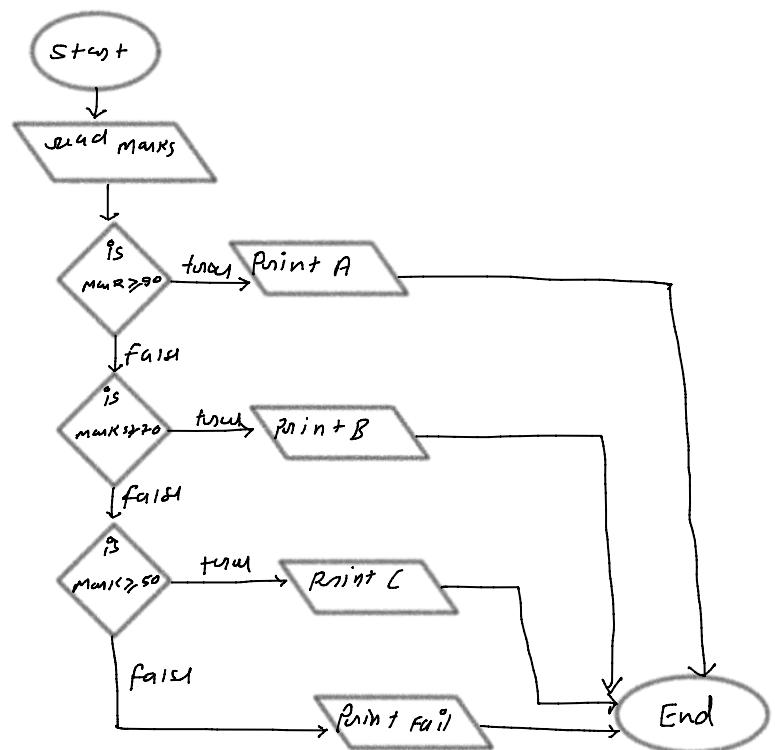


→ check if number is +ve, -ve, OR 0

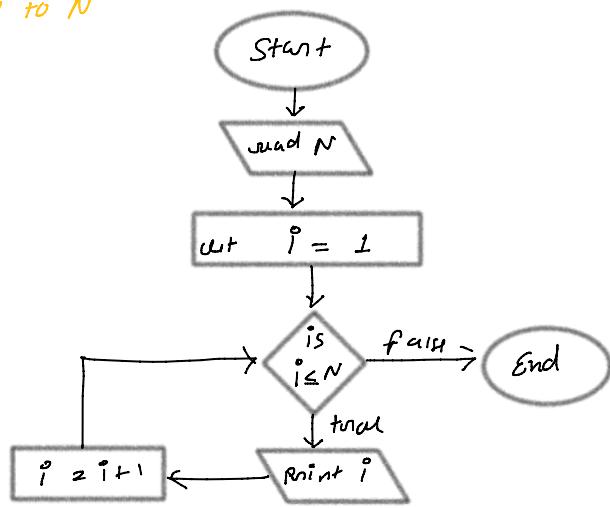


→ student & grade flowchart

	MARKS	GRADE
	≥ 90	A
	≥ 70	B
	≥ 50	C
	< 50	FAIL



→ Counting from 1 to N



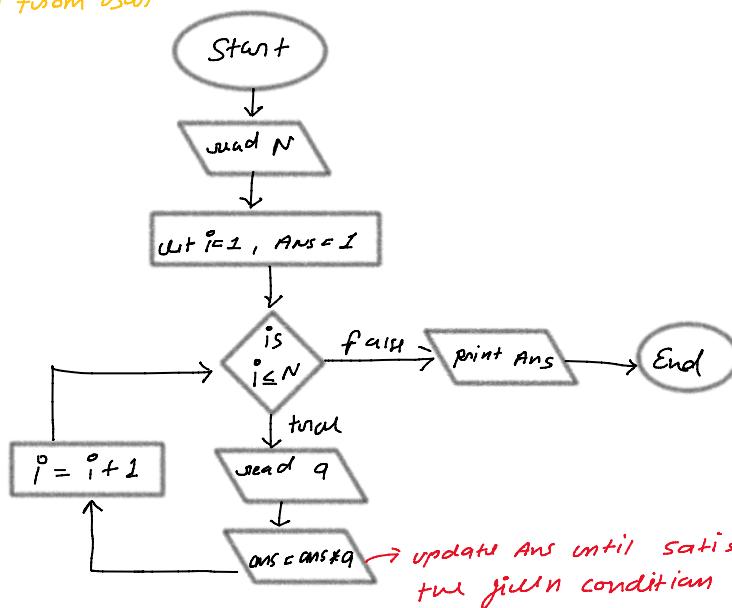
Example

3
N

Output 1 2 3

i	$i \leq N$	print i	$i = i + 1$
1	$1 \leq 3$	1	2
2	$2 \leq 3$	2	3
3	$3 \leq 3$	3	4
4	$4 \leq 4$		X END

→ multiplying N numbers from user

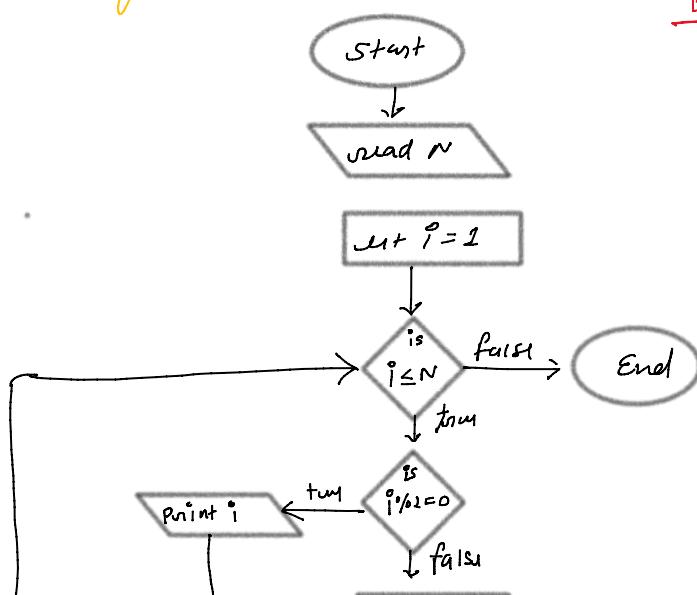


Example

5
N

O/P - 2 4

→ print 1 to N, but only even numbers



Example

5
N

O/P - 2 4

i	$i \leq N$	$i \% 2 == 0$	Print i	$i = i + 1$
1	$1 \leq 5$	$1 \% 2 \neq 0$		2
2	$2 \leq 5$	$2 \% 2 == 0$	2	3
3	$3 \leq 5$	$3 \% 2 \neq 0$		4
4	$4 \leq 5$	$4 \% 2 == 0$	4	5
5	$5 \leq 5$	$5 \% 2 \neq 0$		6
6	$6 \leq 5$			X END

