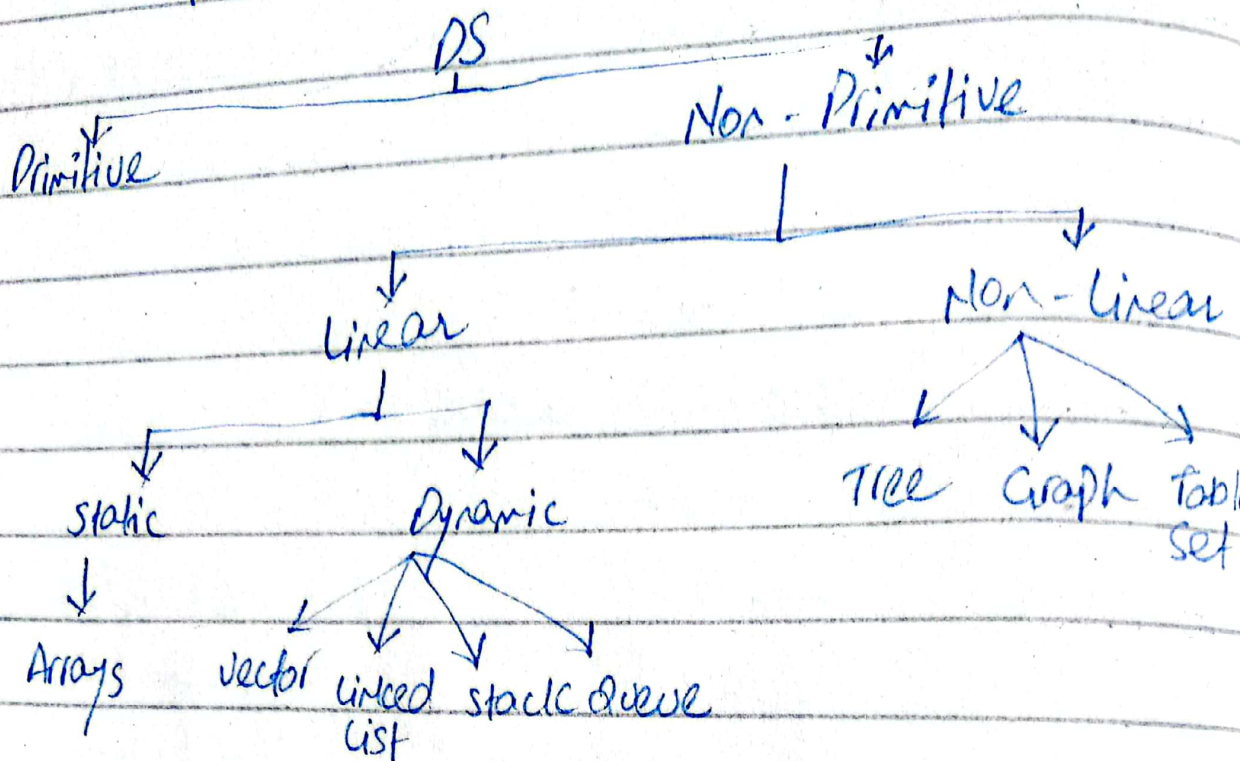


DSA (Data structures & Algorithms)

Good DSA Concepts leads to Good Problem Solver



Flowchart & Pseudocodes

Diagram of solution

Input/Output

Process

Decision

Start

Input a

name = "Name"

sum > 0

Exit

Print 'Hi'

Start

Input a & b

Sum = a + b

Print Sum

End

Pseudocodes ^{پسودو کوڈ}

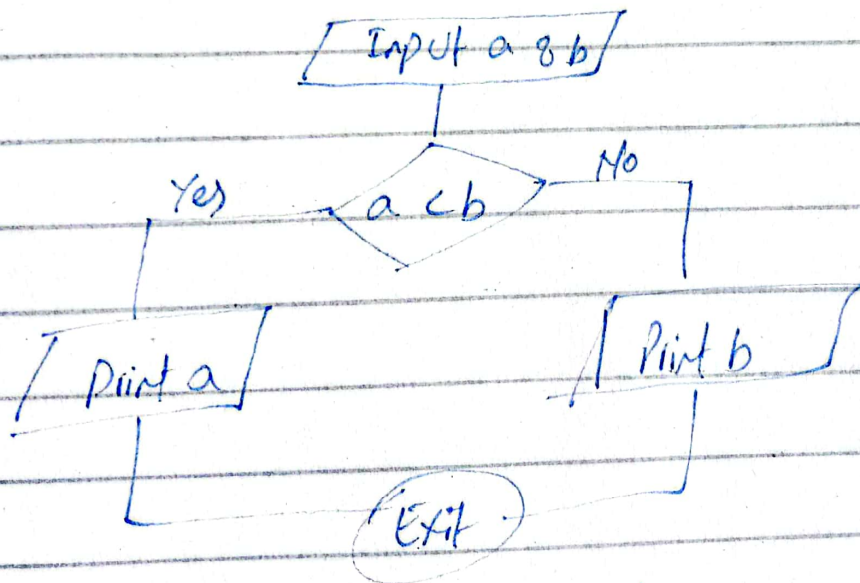
General logic of solution. irrespective of the language.

written in different steps.

- Example -
1. Input a and b
 2. $sum = a + b$
 3. print sum
 4. Exit

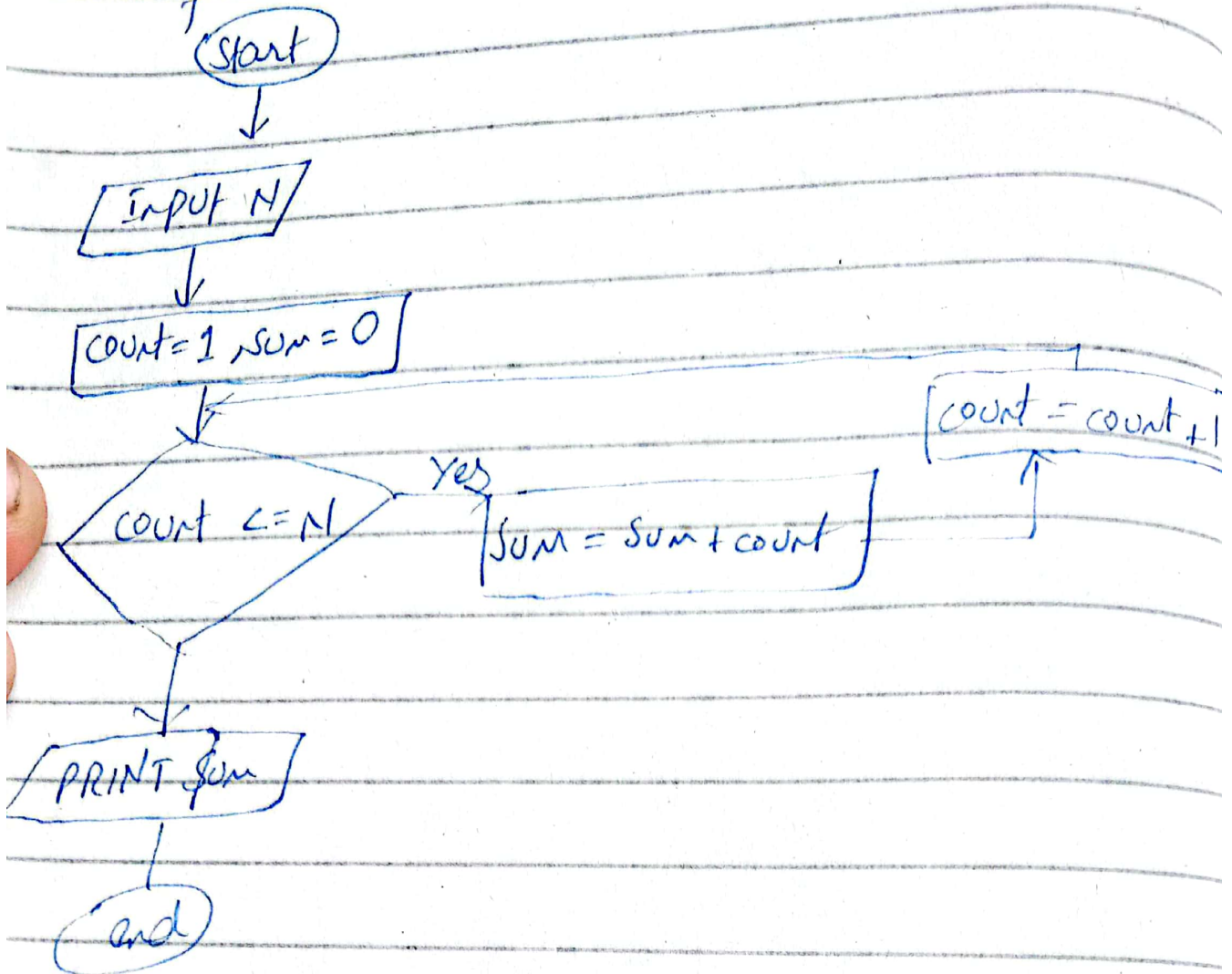
Steps could be different but the logic will remain the same.

① → Min of 2 Number
(Start)



- ①. Input a and b
- ② if $a < b$
 print a
- ③. else
 Print b

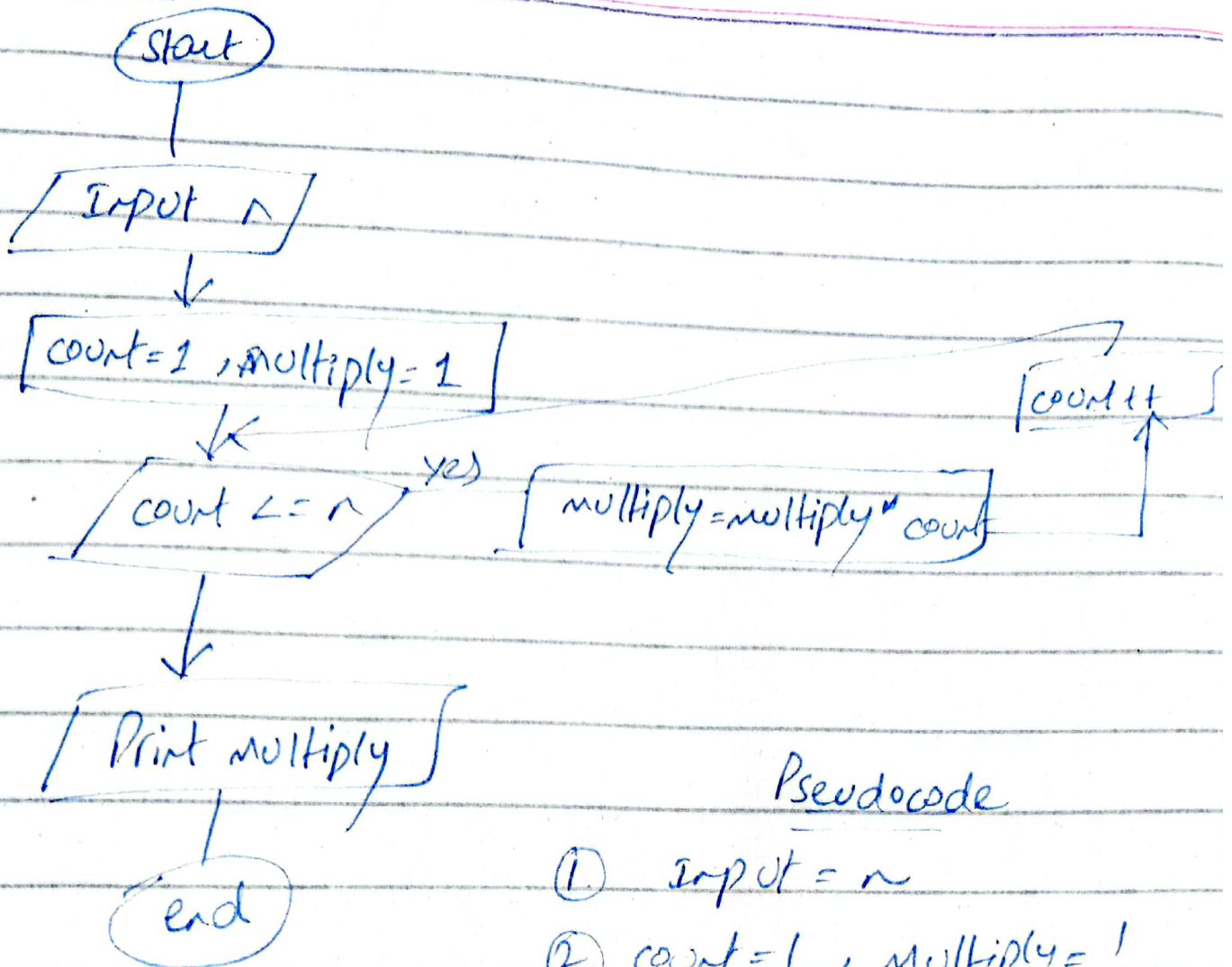
Sum of Numbers upto N



Pseudocodes

- ① Input = n
- ② $count = 1, sum = 0$
- ③ while $count \leq N$
 $sum = sum + count$
 $count = count + 1$
- ④ print sum
- ⑤ Exit

Tutorial



Pseudocode

- ① Input = n
- ② count = 1, multiply = 1
- ③ while count $\leq n$
 multiply = multiply * count
 count = count + 1
- ④ print multiply
- ⑤ Exit