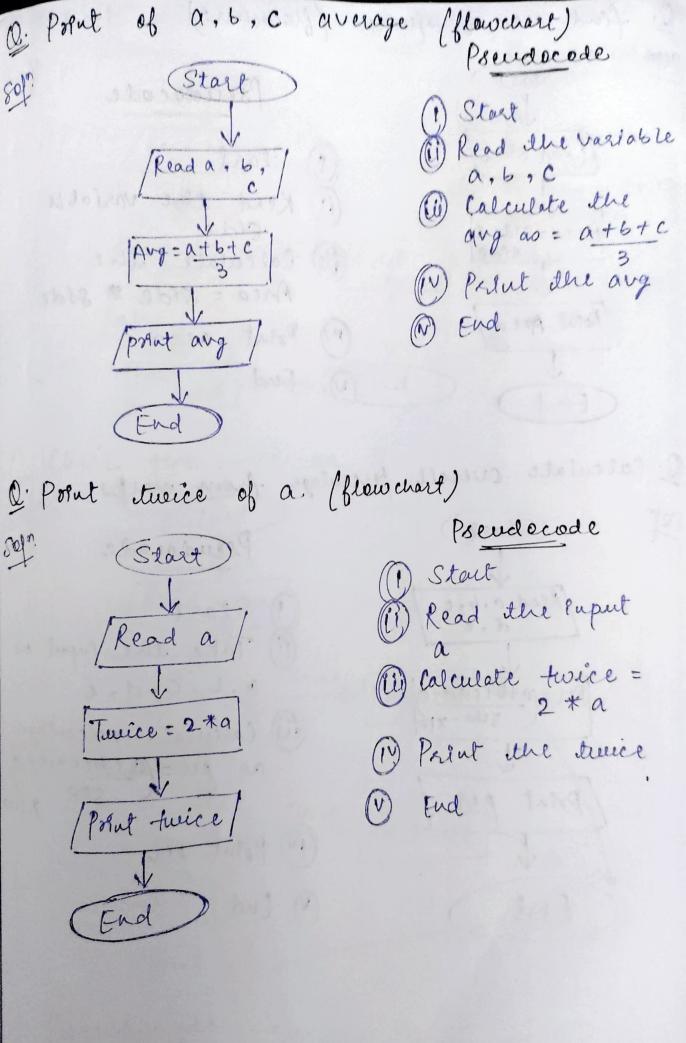
DAY-2: (Lec-1) 23.08.23 Introduction to programming: Thought process to approach a problem: O Voderstand the problem

Deput values

O Create Logic / find out the algorithm. > Rough solution Problem -> flowchart -> pseudocode 0/1 is the (Rough sof) MLL vehich High level is also F to HLL mein Likh Machine lev el Language language proven as deugl Jo (MLL) blury no. User friendly (Ab MLL Ko (source code) language MLL mein hoga) convert far. deuge with the help of tool which is compiler) Flowchart: A diagramatic representation to express the algorithm. Algoritum: A sequence of steps to solve a particular problem statement. How chart components: -> It represents the start/ Start | End end of the algorithm known as terminator.

> It is known as 1/p / 0/p block to read & point due output. -> To calculate, declaration variable & Initialization. Process block It is known as decision -> merking block to use the conditions. -> It is known as connector to connect the number flowcharts. -> Arrows represent the flow of execution. Q: Print sum of a & b (flowerent) Pseudocode (Start) Sol 1) Start Tread a. / ij) Read / take Puput (alculate sum = a + b sum = a+6 (N) Print sum (V) End /print sum/ (End)



Q. Student & Grade flowchart A 2 90 Pseudocade 82 20 ((1) Start C \$ 50 Read the variable (ii) 36 marts 2 90 Soli (Start popul A (N) else is marks > 70 Read musts/ print B PRUTA/ posut c ( End > /Posut B/~ /Priat C to N (flowchart) Pseudocode Start Start head the value Assum the value it icn let i= Poput i (v) else /Prati -> [i=i+1

Print counting N to / (flowchart) Pseudocode Start Start Read the n variable 4161 let i = n Point i ( Decrement the Q: Multiply N from user Pseudocode (Start) Start Read of value in Assume i-1 if ISN (N) read a (m) point a IEN (vii) Increment ethe i value read a (viii) else end

1 to p. but only even number 2: front (Start) Pseudocode 80% (1) Start
(1) read the n /read n ( let i = 2 let i=2 ( it i < N Posut i 1 value ces > ich False (vi) else end True l'=i+2 | Panti (\*) Pseudocode: It means 'fake cede'. It does not follow any rules of code. It just a understandable way to write the code in the simple language