CSE, ISE, AI-ML Phase - 1 AI-DS ECE DSA -> Jana 194 -> C 2 -> Pothon 70d -> Jana 4th -> SQL 6th -> Der Ops + C & C++ + Java (Collections) 60 Hours 5 day 9 + Sday 1 Introduction + Searching + Sooking
Time Complexity Linear DS -> S, B, L, L N Linear DS -> Trees, brighs, Back Tracking + Curry Data Structures Se \* Introduction to Algorithme: > Unlesen Why Data Structures:
Logic Building Study Table: Access Money Etime Store Arrays: L'Pointers] Address Keyword L

identifier value La. int  $\times$  pt = 2 a; printf("% d", xptr). 100 x 0 + De - referencing  $\frac{a=10}{} \rightarrow 1800$ int \* ptr = 2a -> 1000 ×ptr -> value (10) valiable &ptr -> 2000 pointer Address of a pointer in another var forter > Double Pointer Arrays: -> 10, 2D C, CH, Java Same data type A collection of "homogeneous" data Python: -> Cot -> [ ]

Reterogeneous [2, 4.5, "GSSS"] I mired data types in de xes int au  $[] = \{2, \frac{1}{8}, \frac{2}{9}, \frac{3}{5}\}$ Zero-based indering - fosition to m-1 w index = position - 1 ~ Position = index + 1 Array Pointers; are = \$2, 4, 15
The name of the away points to
the address of the 1st element
of the away. Tox-each Loss Enhanced for loss for (data-type var : alr) Hal ements. \* Pointers -> Revised \* Arrays -> Revised + Horay Pointers \* DMA Revised (new & delete) \* Standard Templæte Library Jest Sorward-hist

list Sorward-hist

hist Sist

map ordered

unordered

map with list of stoing bypoith - forward\_list