Tointers: -> 1) Void Pointer > Type Cooled to any Barticular

Out Data Type Pointer > Points to a particular type

A data Null Pointer J Points to null. Dangling Pointer > Pointing to an address which has been deleted as in a différent scope. function () returing 2x;

main ()

int * pto = function(); print (" o/od", *ptr); =10 Storage Classes: Scope Grobal 1) Static Folder Package (alobal exten RAM Memory RAM (III) register Elock Scope No Pointers Allowed. 5 file 20c file1.c (auto var 3) Folder Package Collection of Homegeneous Data: Collection of Integers Collection of Decimal Values Collection of Names * Collection of Characters Elements

* Zoro Based Indexing: arr 1916 5 2 10

CO 1 2 3 4 5 * Values are accessed beg indexes. Note: The name of the array always
boints to the address of the first element
of the array. Therefore the array name is
also salled "array boints." [2000] address 2000 TCS/Accenture Placement Doive Onestion: Given an array of only zeroes, ones & twos sort the array in ascending/descending order without using any sorting 9ndox = 0While (6>0)) Will((1.>0) Searching Se Souting Algorithms:
DLinear Search 10 Bubble Sort 10 Insertion Sort O Linear Search Binary Search Binary Search voing Recultion of Jump Search 7 CIDA Titerpolation Search] 6LPA/R Age Sout Time Comploxity Binary Search: Key=12 () Sorted Array Key=6! 2) Mid Value if arr[mid] == key mid = return mid; if arr(mid) < Kay S = mid + 1;if wor (mid] 7 key-) e = m-1 $\frac{N}{2^{2}}$ $\frac{N}{2^{2}}$ $\frac{N}{2^{2}}$ $\frac{N}{2^{2}}$ $\frac{N}{2^{2}}$ $\frac{N}{2^{2}}$ $mid = S + \frac{2-S}{2}$ Tormule * Binary Search Important Questions: * Search in a 2D Matrix. * House Robbery I, II, III. * Book Allocation * Aggressive Cows * Squale Root of a number using BS.