Class -> definition of user-defined data type Car
Objects -> an instance / variable bucket of a class. Car (1) ) data member e > humber function ( methods & Special functions private not vigible outside class. 1 Constructors -automatically called when visible security purpose everywhere an object is created - default - copy original original original

junction you can define as overloading wany constructors you 2) Destructor - automatically called

when object is destroyed want, provided us two of them have seme type of param seg. Dynamic Allocations
9 getting memory on-the-run from heap / free- memory run-time , able to invocase sire as needed Vector as STL: features -

tal Straction and infrementation Overbading of metian T(eurch)sulation) we put the logic of mycefor is to + (Doly mor) hism) another file named My Vector. y f (in heritemce) and then use the definition there by include it deviving a days from another (+) binery multi class pointer deel > dereference

- function overloading is when two or more functions have same vanne but different parameters. - Operator overloading.

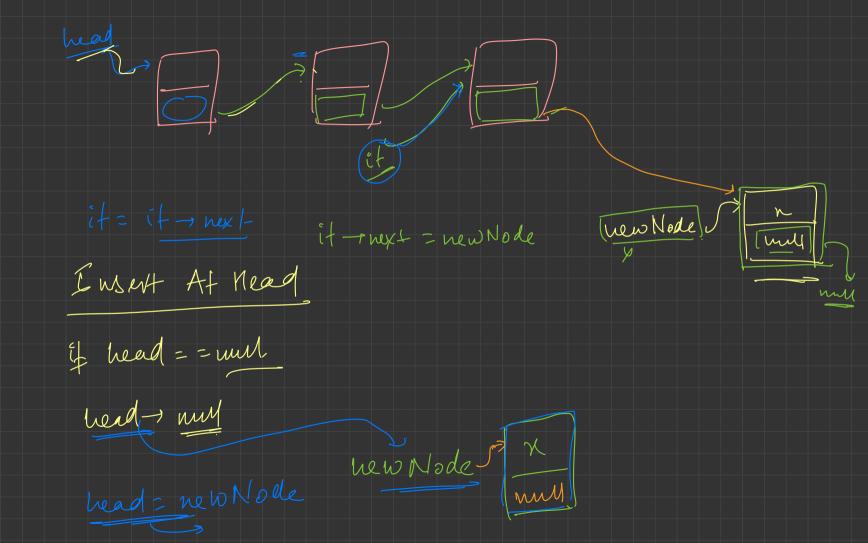
- we can't define new sperators

- we can't change the default/base function of the op. - are of the operands must be a UDT(object)

Array: fixed size Linsution (nsertion not sofast Linked List iteration (1, 2, 3, 4, 5) element/value where the next dement is stored

to you have no restriction on of elements

I has to create a node which has valey and needs to be attached somewhere in the Cirl-Push-back - element inserted at last



head != mil new Node - s next: he ad head = new Node

DWrite the entire code by yourself again

L by reference

by reference void 2) write a function to find the length of the LL 3) Insert at a given position g find med node E) Search a value in LL. & remrsive \* If the II has values in sorted order, what is the

- Complexity of Blurry Search on LL