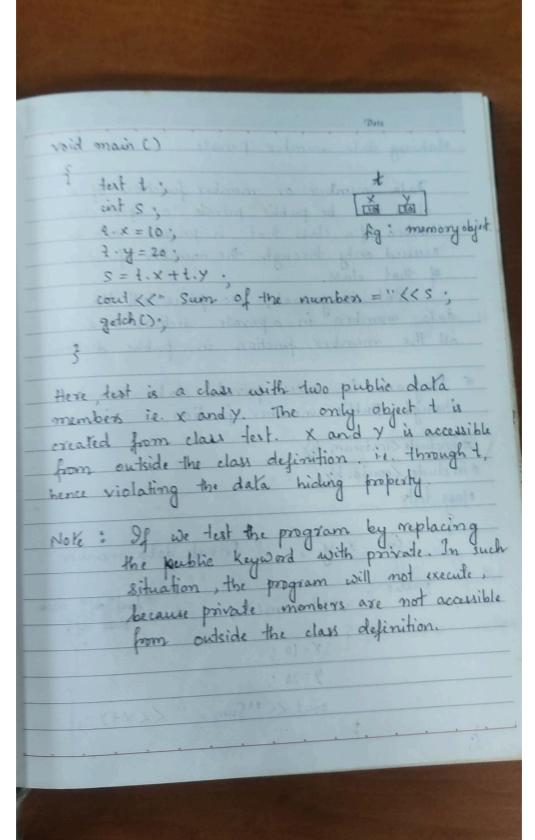
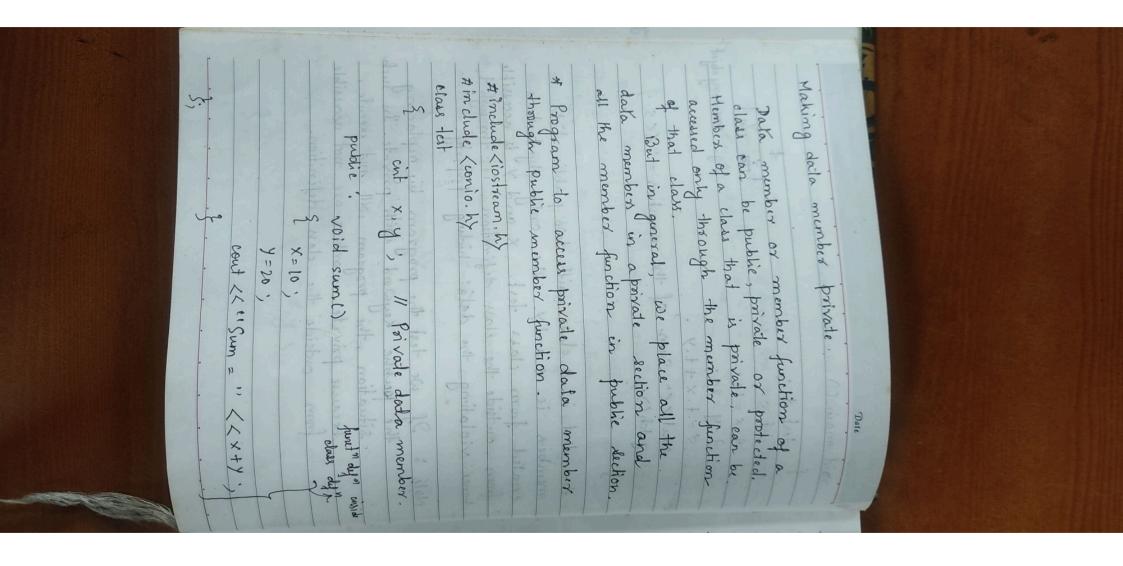
Creating the objects of a class A class is a user defined data type, while an object is an instance of a class. The objects of a class are declared after the class definition One creale several objects from a class. Objects occupy spaces in memory according to
the class definition. The data members of a class occupy memory space inside the objects of that class, while member function does not occupy any space inside the objects.
The general form for creating object is class-name object 1, object 2, ..., object n. Here SI, S2 and S3 are the objects created from class student. The objects are also known as class variables. Objects can also be created when a class is defined by placing their names immediately after the closing brace. The general form is class classname

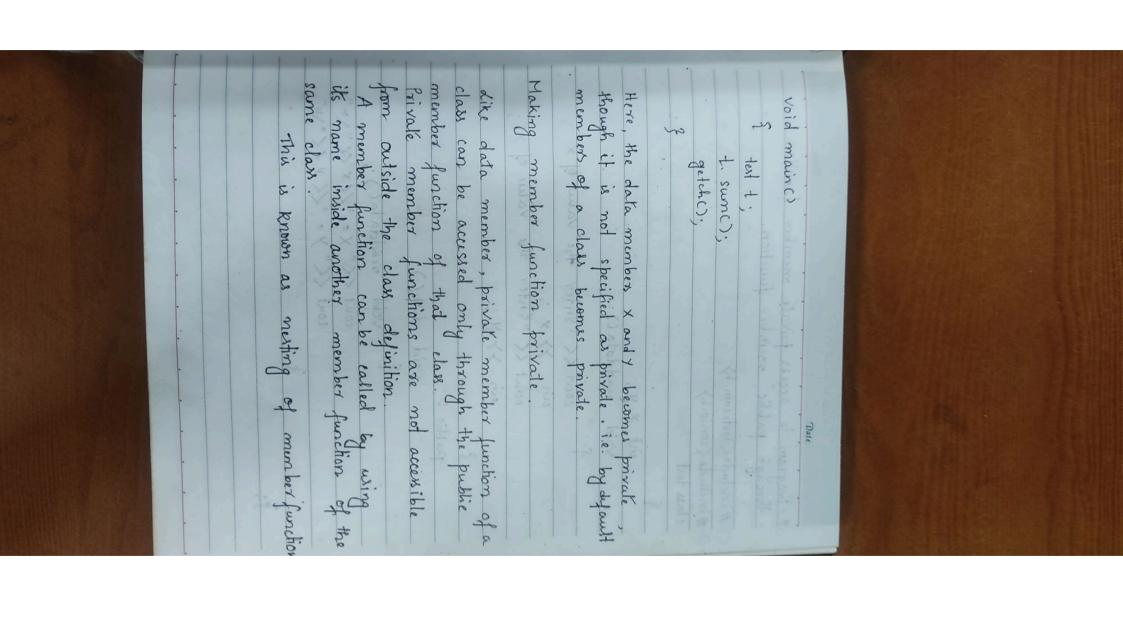
Note: An object is a conceptual entity possessing the following properties -> (1) It is identifiable. (2) It has features that span a local state spay (3) It has operations that can change the status of the system locally, white also including operations in peer objects (4) It refers to a thing, either tangible or a mental construct, which is identifiable by the users of the larget system. Accessing class members from object (s) After defining a class and creating a class variable i.e. object, ale can access the data members and member functions of the class. We know, we in a class we use two access specifiers private and public. Private member of a class is accessible only through the member functions of that class Public member of a class is accessable outside the class definition. i.e. with the help of objects of that class and dot (.) membership operator.

the general form of accessing public member is object-name. public-datamembername object - name. public - mumber - function - name (parameters) class student private: char reg-no[10]; name [30]. char int age; address [25]; chor public void init-data () void display-data()

Void main () student ob; " class variable (object) created 11 Access the member function ob. init-data (); ob. display-data(); Here, the data members can be accessed the member function as these have private scope, and the member function can be accessed outside the class i.e. before or after the main () function. \* Program to access public data member from outside the class définition # include Liostream. hy # include Lconio. hy class test publie:







| # Program  # Program  # imcludes  class test  \$   |  |
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| o access private member while member function. While member function. While in the world disp()  which is addata()  which is ad |  |
| bativate mem  patrater function  tout <<  cont </td <td></td>  |  |
| The value of the v |  |
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| Date of X  |  |

void main () 11 t. readdala (). getal); 1. disp(). // illigal, since readdata()
in a private member Date