34 Lecture - CS201

Important Subjective

1. What is an array of objects and what is its purpose?

Answer: An array of objects is an array that stores multiple objects of the same class. Its purpose is to provide a more organized and efficient way of working with objects, allowing for the manipulation of multiple objects at once.

2. How do you declare and initialize an array of objects in C++?

Answer: An array of objects is declared and initialized using the syntax ClassName arrayName[size] = {object1, object2, object3, ...}. The size of the array must be specified, and the objects are separated by commas.

3. How do you access the elements of an array of objects in C++?

Answer: The elements of an array of objects are accessed using array index notation, such as arrayName[index]. The index starts at 0 for the first element and increases by 1 for each subsequent element.

4. How do you call a member function of an object in an array of objects?

Answer: A member function of an object in an array of objects is called using array index notation, such as arrayName[index].memberFunction().

5. How do you access a data member of an object in an array of objects?

Answer: A data member of an object in an array of objects is accessed using array index notation, such as arrayName[index].dataMember.

6. Can you modify the values of an object in an array of objects?

Answer: Yes, you can modify the values of an object in an array of objects by accessing its data members and using the assignment operator.

7. How do you loop through an array of objects in C++?

Answer: An array of objects can be looped through using a for loop, such as for (int i = 0; i < size; i++) { ... }.

8. Can you sort an array of objects in C++?

Answer: Yes, you can sort an array of objects in C++ using the sort() function provided by the algorithm header file.

9. How do you find the size of an array of objects in C++?

Answer: The size of an array of objects in C++ can be found using the sizeof() operator or by dividing the total size of the array by the size of each element.

10. How do you delete an array of objects in C++?

Answer: An array of objects is deleted using the delete[] operator, which deallocates the memory assigned to the array.