## **34 Lecture - CS201**

## **Important Subjective**

- 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.
- 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.
- 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.
- 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++) { ... }.</p>
- 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.
- 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.