1. Which container in STL allows storing unique elements in a sorted order?
   1. **Set**
   2. Multiset
   3. Map
   4. Multimap
2. In a set, elements are arranged in which of the following order?
   1. **Ascending order**
   2. Descending order
   3. Random order
   4. Unpredictable order
3. The complexity of finding an element in a set is:
   1. O(1)
   2. **O(log n)**
   3. O(n)
   4. O(nlogn)
4. Which container allows multiple elements with the same key in a sorted order?
   1. Set
   2. Multiset
   3. Map
   4. **Multimap**
5. In a multiset, elements are arranged in which of the following order?
   1. **Ascending order**
   2. Descending order
   3. Random order
   4. Unpredictable order
6. The complexity of finding an element in a multiset is:
   1. O(1)
   2. **O(log n)**
   3. O(n)
   4. O(nlogn)
7. The complexity of inserting an element in a multiset is:
   1. O(1)
   2. **O(log n)**
   3. O(n)
   4. O(nlogn)
8. The complexity of erasing an element from a multiset is:
   1. O(1)
   2. **O(log n)**
   3. O(n)
   4. O(nlogn)
9. Which container in STL allows fast searching using keys?
   1. Set
   2. Multiset
   3. **Map**
   4. Multimap
10. The complexity of finding an element using a key in a map is:
    1. O(1)
    2. **O(log n)**
    3. O(n)
    4. O(nlogn)
11. Which container allows multiple elements with the same key in any order?
    1. Set
    2. **Multiset**
    3. Map
    4. Multimap
12. In a map, elements are arranged based on:
    1. **Keys**
    2. Values
    3. Random order
    4. Unpredictable order
13. Which container in STL allows direct access to the elements using the subscript operator?
    1. Set
    2. Multiset
    3. **Map**
    4. Multimap
14. Which container in STL is not allowed to store duplicate elements?
    1. **Set**
    2. Multiset
    3. Map
    4. Multimap
15. Which container in STL is most suitable for implementing a dictionary?
    1. Set
    2. Multiset
    3. **Map**
    4. Multimap
16. Which container in STL is most suitable for implementing an event scheduler with duplicate timestamps?
    1. Set
    2. **Multiset**
    3. Map
    4. Multimap
17. The elements in a map container are stored as a combination of which two values?
    1. **Key and value**
    2. Index and value
    3. Iterator and value
    4. Key and index
18. In a multimap container, multiple pairs can have the same:
    1. **Key**
    2. Value
    3. Index
    4. Hash value
19. Which of the following is true for the set container?
    1. It allows duplicate elements.
    2. Elements are stored in random order.
    3. **It stores elements in an unsorted manner.**
    4. It uses a hash table for internal storage.
20. Which container is most suitable for implementing a simple phonebook with names and corresponding phone numbers?
    1. set
    2. multiset
    3. **map**
    4. multimap
21. The erase() function in set, multiset, map, and multimap containers removes:
    1. All elements from the container
    2. **The element at a specific position**
    3. Elements with a specific value
    4. The element with the lowest value
22. The count() function in the map container returns:
    1. The number of elements in the map
    2. **The number of elements with a specific key**
    3. The number of elements with a specific value
    4. The number of elements greater than a specific value
23. The lower\_bound() function in set, multiset, map, and multimap containers returns an iterator pointing to:
    1. The first occurrence of a specific value
    2. The last occurrence of a specific value
    3. **The first element greater than or equal to a specific value**
    4. The last element less than or equal to a specific value
24. Which container is most suitable for maintaining a sorted list of user IDs with quick search and insertion?
    1. **set**
    2. multiset
    3. map
    4. multimap
25. The equal\_range() function in the map container returns a pair of iterators representing:
    1. **The range of elements with a specific key**
    2. The range of elements with a specific value
    3. The range of elements greater than a specific value
    4. The range of elements less than a specific value
26. The upper\_bound() function in set, multiset, map, and multimap containers returns an iterator pointing to:
    1. The first occurrence of a specific value
    2. The last occurrence of a specific value
    3. **The first element greater than a specific value**
    4. The last element less than a specific value
27. Which container is most suitable for maintaining a leaderboard with scores and player names in descending order of scores?
    1. set
    2. multiset
    3. map
    4. **multimap**
28. How can you check if a specific element is present in a multimap container?
    1. **Using the find() function**
    2. Using the count() function
    3. Using the contains() function
    4. It is not possible to check for specific elements in a multimap
29. In a map container, can two elements have the same key and different values?
    1. **Yes, but only in a multimap**
    2. Yes, but only in a set
    3. No, all elements must have unique keys and values
    4. No, keys and values must be the same for all elements
30. Which container is most suitable for implementing a dictionary with words and their meanings?
    1. set
    2. multiset
    3. **map**
    4. multimap