

# 13 Lecture - CS201

## Important Mcqs

1. Which of the following is not an operation in array manipulation?

- A) Addition
- B) Multiplication
- C) Sorting
- D) Searching

Answer: B) Multiplication

2. Which function is used to calculate the length of an array in C++?

- A) length()
- B) size()
- C) lengthof()
- D) sizeof()

Answer: D) sizeof()

3. Which function is used to sort an array in C++?

- A) sort()
- B) merge()
- C) swap()
- D) copy()

Answer: A) sort()

4. Which of the following is a disadvantage of arrays?

- A) They can be resized easily
- B) They can only store elements of the same data type
- C) They are not index-based
- D) They are inefficient for searching and sorting

Answer: B) They can only store elements of the same data type

5. What is the complexity of linear search algorithm?

- A)  $O(\log n)$
- B)  $O(n)$
- C)  $O(n \log n)$
- D)  $O(1)$

Answer: B)  $O(n)$

6. Which operator is used to access an element of an array in C++?

- A) ()
- B) {}
- C) []
- D) /

Answer: C) []

7. Which algorithm is used for sorting in the STL library of C++?

- A) Bubble Sort

- B) Insertion Sort
- C) Selection Sort
- D) Quick Sort

Answer: D) Quick Sort

8. What is the maximum number of dimensions that an array can have in C++?

- A) 1
- B) 2
- C) 3
- D) There is no limit

Answer: D) There is no limit

9. Which function is used to delete an element from an array in C++?

- A) remove()
- B) delete()
- C) erase()
- D) pop()

Answer: C) erase()

10. What is the time complexity of binary search algorithm?

- A)  $O(\log n)$
- B)  $O(n)$
- C)  $O(n \log n)$
- D)  $O(1)$

Answer: A)  $O(\log n)$