# **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) []
- Which algorithm is used for sorting in the STL library of C++?
  A) Bubble Sort

B) Insertion SortC) Selection SortD) Quick SortAnswer: 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)