34 Lecture - CS304

Important Mcqs

1. What are generic algorithms in programming? a. Algorithms that work with a specific data type only b. Algorithms that work with any data type c. Algorithms that are optimized for performance Answer: b In which programming paradigm are generic algorithms commonly used? a. Object-oriented programming b. Procedural programming c. Functional programming Answer: a What is the main advantage of using generic algorithms? a. Improved performance b. Increased code complexity c. Reusability and adaptability of code Answer: c Which programming languages support generic algorithms? a. C++ b. Java c. Python d. All of the above Answer: d Can generic algorithms be used with user-defined data types? a. Yes b. No Answer: a What is the syntax for using generic algorithms in C++? a. < > b. { } c. () Answer: a Which standard library in C++ provides support for generic algorithms? a. stdio.h.

What is the purpose of the std::sort algorithm in C++?

a. To sort elements in ascending order

b. iostreamc. algorithmAnswer: c

b. To sort elements in descending order

c. To remove duplicate elements

Answer: a

Which of the following is an example of a generic algorithm?

a. Bubble sort

b. Quick sort

c. Binary search

Answer: c

What is the main disadvantage of using generic algorithms?

- a. Limited applicability to specific data types
- b. Reduced performance compared to specialized algorithms
- c. Increased code complexity

Answer: b