

Question Analysis Report

1. what is the worstcase time complexity of the quicksort algorithm?

Frequency: 3

2. why is database normalization important in relational databases?

Frequency: 3

3. how does java handle memory cleanup using garbage collection?

Frequency: 3

4. how does a binary search work step by step?

Frequency: 1

5. how do neural networks function in deep learning?

Frequency: 1

6. how does blockchain technology maintain security?

Frequency: 3

7. what is the function of hidden layers in a neural network?

Frequency: 1

8. what is the need for dynamic memory allocation in c?

Frequency: 2

9. how does a stack differ from a queue?

Frequency: 2

10. tcp vs udp which one is better for realtime communication?

Frequency: 1

11. what key differences exist between https and http?

Frequency: 3

12. what are the different types of operating system schedulers?

Frequency: 2

13. what role does hashing play in cybersecurity?

Frequency: 1

14. what are the advantages of objectoriented programming?

Frequency: 2

15. how does an index optimize database performance?

Frequency: 1

16. 2explain the concept of dynamic memory allocation in c 3how does a binary search algorithm work?

Frequency: 1

17. what is the purpose of a database index?

Frequency: 2

18. what are the various types of machine learning algorithms?

Frequency: 1