

Question Paper

1. Explain the working of a queue data structure with an example.
2. Describe the differences between TCP and UDP with examples.
3. What are the disadvantages of using a NoSQL database?
4. Explain the concept of greedy algorithms with an example.
5. Describe the working of an AVL tree.
6. What are the key differences between FTP and SFTP?
7. Explain how memory management works in Python.
8. Describe the role of foreign keys in a database.
9. What is the significance of time complexity analysis?
10. Explain the concept of process scheduling in operating systems.
11. Describe the working of a linked list.
12. What are the differences between hashing and encryption?
13. Explain the use of iteration with an example.
14. What are the key differences between object-oriented and procedural programming?
15. Describe the various types of neural networks in machine learning.