



12. (a) Explain about the types of array techniques with examples?

Or

(b) Mention the difference between a random number and a Fibonacci number? Write an algorithm for finding both and explain each algorithm with an example?

13. (a) Explain about the various types of sorting techniques with examples?

Or

(b) Explain about the various types of searching techniques with examples?

14. (a) Define a linked list and explain its operations with an example?

Or

(b) Explain the operations that can be performed on a binary tree with an example?

15. (a) Explain the towers of Hanoi problem?

Or

(b) Discuss about Recursive quick sort with example?