1 Lecture - CS301

Important Mcqs

- 1. Which data structure follows the ''last-in-first-out'' (LIFO) principle? a. Queue b. Stack c. Linked List d. Tree Solution: b
- Which data structure allows for efficient insertion and deletion operations in the middle? a. Array b. Stack c. Queue d. Linked List Solution: d
- 3. Which data structure is used to represent hierarchical relationships? a. Array b. Stack c. Queue d. Tree Solution: d
- 4. Which data structure is used to find the shortest path between two nodes in a network? a. Array b. Stack c. Queue d. Graph Solution: d
- 5. Which data structure stores elements in a non-linear and hierarchical manner? a. Array b. Stack c. Queue d. Tree Solution: d
- 6. Which data structure follows the "first-in-first-out" (FIFO) principle? a. Queue b. Stack c. Linked List d. Tree Solution: a
- Which data structure is used to reverse the order of elements in a sequence? a. Array b. Stack c. Queue d. Linked List Solution: b
- 8. Which data structure is used to implement a symbol table? a. Array b. Stack c. Queue d. Hash table Solution: d
- 9. Which data structure is used to sort elements in a sequence? a. Array b. Stack c. Queue d. Heap Solution: d
- Which data structure is used to store and access elements based on a key-value pair? a. Array b. Stack c. Queue d. Dictionary Solution: d