Stack & Queue
Linked List

1. *Explain stack with example.*
2. *Stack works on which principle.*
3. *Which are different operations performed on stack?*
4. *Explain different steps to push an element on stack?*
5. *Explain different steps to pop element from stack?*
6. *When stack is empty, what is the value of stack pointer **top**?*
7. *What is difference between pop() & peek() operations?*
8. *What are different applications of stack?*
9. *Explain infix, prefix & postfix notations with example.*
10. *Explain the process of infix to postfix conversion.*
11. *Explain the process of infix to prefix conversion.*
12. *Stack is linear or non-linear data type.*
13. *Queue is linear or non-linear data type.*
14. *Queue works on which principle.*
15. *Explain queue with example.*
16. *Which are different basic operations performed on queue?*
17. *When queue is empty, what is value of front & rear pointer?*
18. *When queue is full, what is value of front & rear pointer?*
19. *Explain different steps of enqueue operation.*
20. *Explain different steps of dequeue operation.*
21. *What are different types of queues?*
22. *Explain priority queue.*
23. *Explain circular queue.*
24. *Explain Linked List in short.*
25. *Which different types of linked list?*
26. *Explain singly linked list in short.*
27. *Explain doubly linked list in short.*
28. *Explain circular linked list in short.*
29. *How many pointers are required for each node in singly linked list.*
30. *Which different part of node in singly linked list?*
31. *What is difference between linked list and array?*
32. *What is advantage of linked list?*
33. *In singly linked list head pointer points to which node?*
34. *In singly linked list, what is the value of the pointer of last node.*
35. *Which are different operations performed on linked list.*

Data Structures