

Assignment -1

1. Which sorting technique is very faster? (**Quick sort**)
2. _____ Sorting technique is also known as bin sort. (**Bucket sort**)
3. Stack is _____ type of data structure. (**linear data structure**)
4. Queue is _____ type of data structure. (**linear data structure**)
5. Graph is _____ type of data structure. (**non-linear data structure**)
6. Tree is _____ type of data structure. (**hierarchical data structure**)
7. The memory address of the first element of an array is called _____. (**a[0]**)
8. List the sorting techniques based on divide and conquer approach. (**merge / quick sort**)
9. In _____ sorting techniques it compares each element of the list with the element next to it. (**bubble sort**)
10. Quick sort uses _____ for implementation. (**divide and conquer**)
11. _____ sorting uses recursion for implementation. (**merge sort**)
12. _____ Sort is also known as “comparison sort” because it compares two continually adjacent elements from the list. (**bubble sort**)
13. What is a command line argument?
14. What is a Pointer?
15. What is an Array?
16. What is File handling?
17. What is a Search?
18. What is a Sort?
19. Define: `fprintf ()`, `fscanf ()`, `fseek ()`, `ftell ()` function with example.
20. Short note on: `freopen ()`, `remove ()`, `rename ()`, `feof ()`, `ferror ()` function example.
21. What is `getw ()` and `putw ()` function with example.
22. Write a C program to swap values using pointer without using function.
23. What is sorting? Explain selection sort with example.
24. What is index searching? With example.
25. What is searching? Explain linear search with example.
26. Write a C program which implements the insertion sort using Array.
27. Write an algorithm step to implement Quick Sort.
28. Different between sorting and searching.