DSA Questions

1). Define Data Structure ? Explain Primitive Data Structure?

2). What is abstract data type explain with data structure.

3). Explain Concept of Algorithmic Analysis with example.

4). Explain Asymptotic Notations

5). ~~Explain Time & Space of algorithm~~

6). Define Array Explain representation of array in memory

7). Write an algorithm to convert infix and postfix

8). Write an algorithm to evaluate postfix expression.

9). Explain Difference Between Single Linked list

10). Write Stack using Link list and write algorithm to insert element in it

11). ~~Explain Link representation of polynomial equation.~~

12). Write an Algorithm to insert node into double linked list

13). Explain DFS with suitable example

14). Explain BFS with suitable example

15). Write an Algorithm for preorder traversal using non recursive method.

16). What is spanning tree ? Explain Kruskal Algorithm for minimum spanning tree.

17). Define AVL tree ? Explain left and right rotation.

18). Define Height Balance tree ? Explain With Exmaple

19). What is hashing ? Explain overflow handling in hashing

20). Explain the problem of collision ? How to resolve collison.