

Lab questions for DAA

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Note: You can implement the algorithm in C or C++

Lab-1

1. Implement the Euclid's algorithm to find the GCD of two numbers.
2. Write the proper code to sort the array 25, 57, 48, 37, 12, 92, 86, 33 using insertion sort,
3. Implement the binary search algorithm to search 31 in given array
4. 10, 14, 19, 26, 31, 42, 44

Lab-2

5. Implement the Min-Max algorithm to find the minimum and maximum number in the the given array
5, 7, 3, 4, 9, 12, 6, 2
6. Write a suitable code to implement randomized quick sort,
7. Write a suitable code to implement Strassen's Matrix Multiplication.
8. Write a proper code to sort 7 4 10 8 3 1 using selection sort.

Lab-3

9. Write a suitable code to sort 7 4 10 8 3 1 using bubble sort.
10. Write a code to implement heap sort.
11. Write suitable code to implement merge sort.
12. Implement Huffman coding in C/C++

Lab-4

13. Write a code for to implement Largest Common Sequence Algorithm.
14. Write the code to implement Kruskal's Algorithm.
15. Write a code to implement Prim's Algorithm.
16. Write a code to implement Dijkstra's Algorithm.

Lab-5

17. Write a code to implement fractional knapsack problem.
18. Write a code to implement job sequencing algorithm with deadline.
19. Implement N-Queen problem.
20. WAP to implement vertex cover problem.