DAA Practical Assignment

SL NO	ASSIGNMENT	DATE OF SUBMISSION	SUBMITTED DATE
1	Write a C program to add two matrices by iterative approach.	5/5/22	5/5/22
2	Write a C program to subtract one matrix from another by iterative approach.	5/5/22	5/5/22
3	Write a C program to multiply two matrices by iterative approach.	5/5/22	5/5/22
4	Write a C program to add two matrices by recursive approach.	6/5/22	6/5/22
5	Write a C program to subtract one matrix from another by recursive approach.	6/5/22	6/5/22
6	Write a C program to multiply two matrices by recursive approach.	6/5/22	6/5/22
7	Write a C program to find the determinant of a matrix by iterative approach.	7/5/22	7/5/22
8	Write a C program to find the determinant of a matrix by recursive approach.	7/5/22	7/5/22
9	Write a C program to implement inorder, preorder and postorder traversals in a binary tree.	8/5/22	8/5/22
10	Write a C program to create a binary search tree. Then implement the following: a)insert an element b) delete an element c) search an element and show the result accordingly.	9/5/22	9/5/22
11	Write a C program to implement inorder, preorder and postorder traversals in a binary search tree.	10/5/22	10/5/22
12	Write a C program to sort all the data in a binary search	10/5/22	10/5/22

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	tree either in ascending order or in Descending order.		
13	Write a C/C++ program to find a spanning tree from a connected graph by using Depth First Search.	3/6/22	3/7/22
14	Write a C/C++ program to find a spanning tree from a connected graph by using Breadth First Search.	4/6/22	3/7/22
15	Write a C/C++ program to find a minimal spanning tree from a weighted connected graph by Kruskal's algorithm.	5/6/22	3/7/22
16	Write a C/C++ program to find a minimal spanning tree from a weighted connected graph by Prim's algorithm.	6/6/22	3/7/22
17	Write a C/C++ program to find all the paths between any two vertices of a connected graph.	7/6/22	3/7/22
18	Write a C program to implement bubble sort. Use dynamic memory allocation and subfunction.	8/6/22	3/7/22
19	Write a C program to implement insertion sort. Use dynamic memory allocation and subfunction.	9/6/22	3/7/22
20	Write a C program to implement selection sort. Use dynamic memory allocation and subfunction.	10/6/22	3/7/22
21	Write a C program to implement merge sort. Use dynamic memory allocation and subfunction.	11/6/22	11/6/22
22A	Write a C program to create a binary maxheap.	12/6/22	11/6/22
22B	Write a C program to create a binary minheap.	12/6/22	11/6/22
23A	Write a C program to create a k-ary maxheap.	13/6/22	13/6/22

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23B	Write a C program to create a k-ary minheap.	13/6/22	13/6/22
24A	Write a C program to sort (ascending) a list of elements through a binary heap.	14/6/22	14/6/22
24B	Write a C program to sort (descending) a list of elements through a binary heap.	14/6/22	14/6/22
25	Write a C program to sort (ascending or descending) a list of elements through a k-ary heap.	15/6/22	30/6/22
26	Write a C program to implement parenthesization problem. (Matrix chain multiplication).	16/6/22	30/6/22
27	Write a C program to implement Red-Black tree.	17/6/22	30/6/22
28	Write a C program to delete an element from a Red-Black tree.	18/6/22	30/6/22
29	Write a C program to implement Naive String Matching algorithm.	12/7/22	3/7/22
30	Write a C program to implement KMP String Matching algorithm.	12/7/22	3/7/22
31	Write a C program to sort a list of numbers by using quick sort.	12/7/22	3/7/22
32	Write a C program to implement Counting sort.	13/7/22	3/7/22
33	Write a C program to implement Radix sort.	13/7/22	3/7/22
34	Write a C program to implement Bucket sort.	13/7/22	3/7/22