

Practice Lab Assignment 9

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For this Practice Lab Assignment, you will write programs in C, **making use of Arrays.**

Instructions

- There are 5 questions in this assignment.
- Any discussion with neighbor/or any other student is strictly not allowed.
- Mobile phones are not allowed. If found, disciplinary action may be taken.

Due Date: This is only a Practice Lab so no submission is required.

Grading Criteria

No Grading Criteria.

Programming Questions

1. Write a menu-driven program to sort a given array of 'n' size using (a) Bubble Sort, (b) Selection Sort & (c) Insertion Sort using call by reference.
2. Write a program to sort all the elements of a 4 * 4 matrix.
3. Write a program to generate Pascal's Triangle.

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1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
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4. In a small company, there are five salesman. Each salesman is supposed to sell three products. Write a program using 2D array to print (i) the total sales by each salesman and (ii) total sales of each item.
5. Write a program to transpose a 3*3 matrix.