Laboratory Activity Questions

1) Write a program to find the mean of n numbers using arrays.
2) Write a program to find the smallest and largest of n numbers using array.
3) Declare a character array and stored it with all the characters available in your name. Count and display the total number of vowels and consonants available in that array.
4) Write a program to declare a character array that will store 10 characters. Ask the user to enter any character and check if it's available in the array. If yes, display the output about its availability along with the position of that character in the array.
5) Read two 1D integer arrays. Store the arrays with same number of array values. Pass these two 1D arrays to a function and perform the matrix addition and display the resultant 1D array.
6) Declare 2D array that can store 3x4 array values. Pass one array element that are in the position [2][3] to a function and find the multiplication table of that number from 1-12.
7) Write a program to declare 3x2 array, read the array values (run time). Pass the entire array to a function and determine the sum of and average of all array elements.
8) Read any two 2D matrices (run time initialization). Pass the arrays to a function, evaluate the matrix addition and display it.
9) Read any two 2D matrices (run time initialization). Pass the arrays to a function, evaluate the matrix subtraction and display it.
10) Read any 2D Matrix (run time initialization). Pass the array to a function and perform the matrix transpose and display the result.