C Programming Assignment List

Storage Class Specifiers

1. Develop multi file program to understand static, auto, register, global, static global variables. What is the scope and lifetime of each of these types of variables.

Arrays

1. Write a program to read your name into a character array. Print the name along with the length of your name and sizeof the array in which name is stored.

2. Use scanf function to read a string of characters (into character type array called text) including alphabets, digits, blanks, tabs etc except new line character. Write a loop that will examine each character in a character-type array and determine how many of the characters are letters, how many are digits, how many are blanks and how many are tabs. Assume that text contains 80 characters.

3. Write a program that reads a number that says how many <u>integer</u> numbers are to be stored in an array, creates an array to fit the <u>exact</u> size of the data and then reads in that many numbers into the array.

4. Program to print array in reverse order

5. Program to Calculate Sum and Average of an array

6. Program to find the largest, smallest, second largest and second smallest element of an array

7. Program to copy an array to another array in same order & in reverse order

8. Program to insert an element in a Specified Position in given array

9. Program to delete the specified Integer from an array

10. Program to Put Even & Odd elements of an array in two separate arrays

11. Program to concatenate two arrays

12. Program to find the Largest number in an array of numbers using recursion

13. Program to print all the repeated numbers with frequency in an Array.