Assignment No 12 and 13

Programs to illustrate use of pointer with simple data type (create pointer variable, assign value, access value and show address using (* and &).

Programs to solve the problems using pointers and structures e.g. swap two numbers.

1) Write a program in C to find the sum of the series 1!/1+2!/2+3!/3+4!/4+5!/5 using the function.
2) Write a program in C to find the square of any number using the function.
3) Write a program in C to swap two numbers using function.
4) Write a program in C to get the largest element of an array using the function.
5) Write a program in C to check armstrong and perfect numbers using the function.
6) Write a C programming to find out maximum and minimum of some values using function which will return an array.
7) Write a program in C to print first 50 natural numbers using recursion.
8) Write a program in C to print the array elements using recursion
9) Write a program in C to find GCD of two numbers using recursion.
10) Write a program in C to find the sum of digits of a number using recursion.
11) Write a program in C to reverse a string using recursion.
12) Write a program in C to multiply two matrix using recursion.
13) Write a program in C to show the basic declaration of pointer.
14) Write a program in C to add numbers using call by reference.
15) Write a program in C to find the maximum number between two numbers using a pointer.
16) Write a program in C to print all permutations of a given string using pointers.
17) Write a program in C to Calculate the length of the string using a pointer.
18) Write a program in C to find the factorial of a given number using pointers.
19) Write a program in C to sort an array using Pointer.
20) Write a program in C to print all the alphabets using a pointer.