**Question # 01:**

We have performed arithmetic operations so many times. write another program that performs all arithmetic operations using pointers.



**Question # 02:**

Write a program to store n elements in an array and print the reverse elements

of an array using pointer.

**Question # 03:**

Suppose your Programming Fundamental teacher provided you the midterm marks of your section. Your task is to find the highest marks and 2nd highest marks from the given list by using pointers. Also find the sum of total marks of all the students and average of the marks. Write a C program to solve this problem.

**Question # 04:**

Write a C program to add two matrix using pointers. Take two matrix from user and find sum of both matrices using pointers.

Sum of two matrix **A** and **B** of size mXn is defined by  
(**A** + **B**) = **A***ij* + **B***ij* (where 1 ≤ i ≤ m and 1 ≤ j ≤ n).

**Question # 05:**

* Write a program in C to find the factorial of a given number using pointers
* Write a program in C to swap elements using call by reference.

**Question # 06:**

Write a single function to calculate the square, cube and square root of its floating point argument and make those results available to the calling program.

**Question # 07:**

Write a program to store n elements in an array and print the reverse elements

of an array using pointer.

**Question # 08:**

Write a single function that receives an array of 5 integers and returns the sum,

average and standard deviation of these numbers without using return statement.

Call this function from main ( ) and print the results in main ( ).



Where x represents each value in the population, μ is the mean value of the

population, Σ is the summation (or total), and N is the number of values in the

population.

Note: Use function type (call by reference)