**LAB TASK**

**Task 01**

Write a program to find out the greatest and the smallest among three numbers using pointers.

**Task 02**

Write a C program to swap corresponding elements of two arrays using pointers.

**Task 03**

Write a program that implements the function(WordCount).

int WordCount(char \*Text, int \*size);

**Task 04**

Write a C program to add two matrices using pointers. Create a function called calMat() that take pointers of 2 matrices as arguments and return the resulted sum and display it in main.

**Task 05**

Write a function countEven(int\*, int) which receives an integer array and its size, and returns the number of even numbers in the array.

**Task 06**

Write a program that implements the SortFunction that takes argument pointer to an array, size of the array and the

order in which it is going to be sort. Such as, 1 for Asscending order and 2 for Descending orde. Finally, print this

array in Main() to check.

void SortFunction(int \*arr, int \*size, int order);

**Task 07**

Create a structure with student details and print the inputted details (Id, Name, Marks, Grade). Memory to store and print structure will be allocated at run time by using malloc().

**Task 08**

Write a program that ask the user to enter the total 'N' no of characters in user's name {First Name + Last Name} to

create a dynamic array of characters. After create a dynamic array of that 'N' no of characters using malloc or calloc()

function. Finally copy your full name in it that has already been taken from the user before

Dynamic Array = " Jawwad Ahmed";