# Task\_01:

Write a program to implement the exchange or swap the values of 3 variables{a,b,c}. To implement this, you need to write a function called swaped().

void swaped(int \*aPtr, int \*bPtr, int \*cPtr);

such that; b ----> temp

a ----> b

c ----> a

temp -> a

# Task\_02

# Write a program to calculate area of triangle ,circle and rectangle with the help of area() function ,in which you have to pass length ,breadth ,radius variable from main method ,and this method should return area of triangle ,circle and rectangle then you have to show area of each shape in main method().

# Task\_03:

Write a program that calculates the sum of all the elements in an array using pointers.

# Task\_04:

Write a program that finds the second highest number in a float type array of 20 elements using a pointer.

# Task\_05:

Write a program that implements the SortFunction that takes an argument pointer to an array, size of the array and the order in which it is going to be sort. Such as, 1 for Ascending order and 2 for Descending order. Finally, print this array in Main() to check.

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

# Task\_06:

Write a program that takes N no of character in an array. Now you need to correct the array and convert it into the Sentence Case. To correct that, you need to pass that array to a function using pointer.

void SentenceCase(char \*Text, int \*size);

In the end you need to print the array in Main() to check.

Sentence Case: You capitalize just the first letter of the first word in sentence. The rest of the words and letters in the title should not be capitalized. Also the first letter after the fullstop(.)

# Task\_07:

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 = "Muhib Ahmed";

# Task\_07:

Using Qus. 9, resize that dynamic array of character and append the array with your studentId. That student id must be taken input from the user.

DynamicArray = "Muhib Ahmed"; // Before

DynamicArray = "K211234 Muhib Ahmed"; // After the text append

# Task\_08:

Write a program that implements the function(WordCount).

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