Objectives:

➢ C++ Programming DMA, Strings, Pointers

➢ C++ File name is **StudentID_qNO.cpp**

➢ Note: Write comments in your code for explaining steps.

➢ Note: Pay attention to the indentations in your code.

Question 1: Define two strings and get each of them from user. Show user to first value of each strings. Then write a function which is do not return anything for swap two strings. Then in the main write to the screen their value after swap function.

Sample Output:
Enter first string: XX
Enter second string: YY

After function:
The first string: YY
The second string: XX

Question 2: Define a string array of size 10 for your best lecture names. Then in a loop fill string array with a name. And lastly, write to the screen string array value with index number.

Sample Output:
Enter first lesson name: Programming
Enter second lesson name: Math
...

The string 0. index value is: Programming
The string 1. index value is: Math
...

Question 3: Rewrite Question two from the DMA perspective.

Question 4: Write a program to store GPA of n number of students and display it where n is the number of students entered by the user. You must use DMA.

Sample Output:
Enter total number of students: 3
Enter GPA of students.
Student1: 3.6
Student2: 3.1
Student3: 3.9

Displaying GPA of students.
Student1: 3.6
Student2: 3.1
Student3: 3.9