# Lab 9 – Assignment 7

- **Assignment Deadline: 06 April 2023, 11:59PM**

- **Submission:1) a cpp file with student ID and name, 2) a screenshot of result and code**

## Problem: Manipulating Characters with Pointers

- **Problem description**

- Write a program that accepts a series of characters (Max. 100 characters) and store them in an array. Write a function `void rotate(char *charArray, int *sizeOfArray)` which will shift one character to the left in a circular manner. E.g., **abcde** to **bcdea**. The change should be made permanent in the array for each rotate. Write down the function's prototype as well.

- We can assume that the input only consists of letters and numbers without a whitespace in between.

- The function must be defined as `void rotate(char *charArray, int *sizeOfArray)`

- The characters must be rotated and stored in the array.

- A sample input and expected output are shown below:

**Sample Input and Output**

| Sample input | Expected output |
|---|---|
| abcde | bcdea<br>cdeab<br>deabc<br>eabcd<br>abcde |