세계 속의 빛
이공계 대학

Computer Programming

Lab9

May 20, 2025

Ex1

- Write a program that creates an array of 10 integers, asks the user to input 10 numbers and stores each number into the corresponding elements of the array. The program then creates another array of 10 integers, asks the user for a *start* and *end* position, and copies only the elements between the *start* and *end* positions to the new array. All other elements in the new array should be 0.

Ex1

- **Program output**

```
[ohyong@cse ~/cp/Lab9]$ vi ex9_1.c
[ohyong@cse ~/cp/Lab9]$ gcc ex9_1.c -o ex9_1
[ohyong@cse ~/cp/Lab9]$ ./ex9_1
Please enter 10 numbers : 11 12 13 14 15 16 17 18 19 20
Enter the starting and ending position ( 1 - 10 ) to copy : 3 6
13 14 15 16 0 0 0 0 0 0
```

```
[ohyong@cse ~/cp/Lab9]$ ./ex9_1
Please enter 10 numbers : 11 12 13 14 15 16 17 18 19 20
Enter the starting and ending position ( 1 - 10 ) to copy : 4 8
14 15 16 17 18 0 0 0 0 0
```

Ex2

- Write a program that prompts the user to input English sentences without spaces, stores them in an array, and then prints uppercase letters as lowercase letters and lowercase letters as uppercase letters.

Ex2

- **Program output**

```
[ohyong@cse ~/cp/Lab9]$ vi ex9_2.c
[ohyong@cse ~/cp/Lab9]$ gcc ex9_2.c -o ex9_2
[ohyong@cse ~/cp/Lab9]$ ./ex9_2
Enter an English sentence without spaces: HelloWorld
Converted sentence: hELLOwORLD
```

```
[ohyong@cse ~/cp/Lab9]$ ./ex9_2
Enter an English sentence without spaces: ComputerProgramming
Converted sentence: cOMPUTERpROGRAMMING
```

Submission

- **Submit to server**

Lab #

Class #

At the end of the Lab9, submit your C sources file by typing

~gs1401/bin/submit Lab9_2 ex9_1.c ex9_2.c // by Thur. 11:50

~gs1401/bin/submit Lab9_3 ex9_1.c ex9_2.c // by Friday 10:50

~gs1401/bin/submit Lab9_4 ex9_1.c ex9_2.c // by Friday 11:50

~gs1401/bin/submit Lab9_5 ex9_1.c ex9_2.c // by Friday 13:50

You may check that you have submitted your source code correctly by typing

~gs1401/bin/submit -check