

## Creative Software Design, Assignment 2-1

Deadline: 2024-09-11 23:59 (No score for late submission)

- Submit your homework by uploading your zip file to the LMS assignment section. Below is an example.

```
13178_Assignment1-1_2024123456.zip
├─ 1.cc
├─ 2.cc
├─ 3.cc
└─ ...
```

- Your zip file name should follow this format:  
**13178\_Assignment[Assignment-number]\_[Student-ID].zip**
  - Ex. 13178\_Assignment1-1\_2024123456.zip
- Source files should be named as **<filename>.cc** *or* **<filename>.cpp**
- **You must submit your solution in the zip file before the deadline.**

1. Write a C++ program that prints a self-introduction. You need to declare the local variables for 1) *name*, 2) *major*, and 3) *studentID*, and take inputs from the user, storing them in the corresponding variables.

- A. The data type for *name*, *major*, and *studentID* should be *string*.
- B. Example output of your program (**Bold text** indicates user input):

```
name: Gildong Hong↵
major: computer*software↵
studentID: 2024000001↵
Hello. My name is Gildong Hong.
My major is computer*software.
My student ID is 2024000001.
```

- C. Submission file: one C++ source file (File name: **1.cc** or **1.cpp**)

2. Write a C++ program that prints a self-introduction using a namespace. You need to create a new namespace according to the following description:

A. namespace name: *selfIntro*

The following functions should exist in the *selfIntro* namespace:

- i. The *name* function receives the name and outputs it as a string.
- ii. The *major* function receives the major and outputs it as a string.
- iii. The *studentID* function receives the student ID and outputs it as a string.

B. Example output of your program (**Bold text** indicates user input):

```
name: Gildong Hong↵
major: computer*software↵
studentID: 2024000001↵
Hello. My name is Gildong Hong.
My major is computer*software.
My student ID is 2024000001.
```

C. Submission file: one C++ source file (File name: **2.cc** or **2.cpp**)

3. Write a C++ program that prints a string according to the given description. Your program should take two strings and concatenate them into one.

A. Do not use any C standard functions to manipulate the strings (e.g., *strcmp()*, *strcpy()*, etc.).

B. Example output of your program (**Bold text** indicates user input):

```
Hello␣  
world␣  
Hello world
```

C. Submission file: one C++ source file (File name: **3.cc** or **3.cpp**)