> 1st Homework

- Overview
- > Released date: 9/19 (Mon.)
- > **Due date**: 9/26 (Mon.)
- ➤ Where to submit: to e-class (http://eclass.seoultech.ac.kr)
 - Late submission is not allowed.
- > Assigned score: 1.5 points
- 1. Modify Example #1
 - Make 10 elements
 - Insert YOUR STUDENT ID in 5-th elements
 - Submission: capture the output to show YOUR STUDENT ID

Example #1

Program to insert an element in an Array

Output:

```
Enter 5 elements

3
4
5
5
7
7
Enter the location where you want to insert an element: 3
Enter the value to insert: 7?
Resultant array is: 3 4 7? 5 6 7
Coding is Fun!

Process returned 0 (0x0) execution time: 13.550 s
Press any key to continue.
```

- 2. Modify Example #2
 - Change while-loop into for-loop
 - Submission: capture the source code

Example #2

Program to print the Fibonacci Series

```
#include <stdio.h>
void fibonacci (int num);
void main()
{
    int num = 0;
    printf("Enter number of terms: ");
    scanf("%d", &num);
    flbonacci (int num)
{
    int a, b, c, i = 3;
    a = 0;
    b = 1;

    if (num == 1)
        {
        printf("%d", a);
    }

    if (num >= 2)
        {
        printf("%d\t%d", a, b);
    }

    while (i <= num)
    {
        c = a + b;
        printf("\t%d", c);
        a = b;
        b = c;
        i++;
    }
}</pre>
```

```
OUTPUT:
Enter number of terms 6
0 1 1 2 3 5
```

- 3. Modify Example #3
 - Add one more element in the array whose value is YOUR STUDENT ID
 - Print four elements in the array including YOUR STUDENT ID
 - Submission: capture the output to show YOUR STUDENT ID

Example #3

Accessing array elements by incrementing a Pointer

```
Address of var[0] = 28feec
Value of var[0] = 180

Address of var[1] = 28fef0
Value of var[1] = 200

Address of var[2] = 28fef4
Value of var[2] = 380

Coding is Fun †
```