

Homework Assignments

➤ Homework #01

- Overview

- **Released date:** 9/13 (Fri.)
- **Due date:** 9/20 (Fri.)
- **Where to submit:** to e-class (<http://eclass.seoultech.ac.kr>)
 - Late submission is not allowed.
- **Assigned score:** 1 points

1. Modify source code

- Change while-loop into for-loop
- **Submission:** Capture the result and **source code**

```
#include <stdio.h>
void fibonacci (int num);
void main()
{
    int num = 0;

    printf("Enter number of terms: ");
    scanf("%d", &num);
    fibonacci(num);
}

void fibonacci (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++;
    }
}
```

OUTPUT:

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

