[실습] 4월 27일

다음 문제에 해당하는 c 코드를 작성하고, 실행 결과를 캡쳐하여 문서로 만들어 제출하시오. (코드를 따로 제출할 필요 없음)

1. Write a program in C to convert decimal number to binary number using the function.

```
Input any decimal number : 65

The Binary value is : 1000001
```

2. Write a program in C to swap two numbers using function.

```
Input 1st number : 2
Input 2nd number : 4

Before swapping: n1 = 2, n2 = 4
After swapping: n1 = 4, n2 = 2
```

3. Write a program in C to print first 50 natural numbers using recursion. (recursion 을 써서 구현했음을 조교에게 확인받으시오.)

```
The natural numbers are : 1  2  3  4  5  6  7  8  9  10  11  12  13 14  15  16  17  18  19  20  21 22  23  24  25  26  27  28  29  30 31  32  33  34  35  36  37  38 39  40  4 1  42  43  44  45  46  47 48  49  50
```

4. Write a program in C to Print Fibonacci Series using recursion. (recursion 을 써서 구현했음을 조교에게 확인받으시오.)

```
Input number of terms for the Series (< 20) : 10

The Series are :
1  1  2  3  5  8  13  21  34  55
```

5. Write a program in C to find GCD(Greatest common divisor 최대공약수) of two numbers using recursion. (recursion 을 써서 구현했음을 조교에게 확인받으시오.)

```
Input 1st number: 10
Input 2nd number: 50
The GCD of 10 and 50 is: 10
```