Basic C/C++ Assignment#1

This assignment is handed out Dec 20, 2020. Due is **Dec 27, 2020**.

```
(Assignment Structure)
 week1
 - print.c
 - charge.c
 - size.c
 - grade.c
 - star.c
```

1. Print (5PP)

Write a C program to input and print your student number and name.

(↵ means that the user press the enter key after input.)

A. Student number and name are entered in order.

```
(Example)
 20201234 kevin↵
 Hi. kevin 20201234
```

2. Charge (5PP)

Write a C program that converts money into coins.

(↵ means that the user press the enter key after input.)

A. Use variable 'money' for input.
B. 0 <= money <= 5000
C. The type of coins are 500,100,50,10원.(under 10원 will be ignored.)
D. Do not use if…else statements.

```
(Example)
 850↵
 500원 동전 : 1개
 100원 동전 : 3개
 50원 동전 : 1개
 10원 동전 : 0개
```

3. Size (5PP)

Write a C program that prints the size of the data type.

A. Use sizeof operator.

```
(Example)
 size of char : 1
 size of short : 2
 size of int : 4
 size of long : 4
 size of float : 4
 size of double : 8
 size of long double : 8
```

4. Grade (5PP)

Write a C program that input your score and print your grade.

(↵ means that the user press the enter key after input.)

A. Score will be input by integer.
B. If score over 90, print A.
C. If score is 80~89, print B.
D. If score is under 80, print F.

```
(Example)
 Score : 86↵
 Your grade is B.
```

5. Star (10PP)

Write a C program that prints diamond.

(↵ means that the user press the enter key after input.)

A. Inputs a number.
B. Use nested for statements.

```
(Example)
 3↵
    *
   * *
  * * *
   * *
    *
```