

# Assignment 1

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**Chung-Ang University**

# Exercise 1

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- Write the following program code

```
#include <stdio.h>

int main(void)
{
    printf("Apple %d \n", 100);
    printf("Apple %d Orange %d\n", 100, 200);
    printf("Apple %d Orange %d Kiwi %d\n", 100, 200, 300);
    return 0;
}
```

# Exercise 2

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- Write the following program code

```
#include <stdio.h>

int main(void)
{
    int val = 0;
    val = 1+2;
    printf("1+2=%d\n", val);

    val = 2+3;
    printf("2+3=%d\n", val);
    return 0;
}
```

# Exercise 3

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- Write the following program code

```
#include <stdio.h>
int main()
{
    char ch = 'A';
    char str[20] = "fresh2refresh.com";
    float flt = 10.234;
    int no = 150;
    double dbl = 20.123456;
    printf("Character is %c\n", ch);
    printf("String is %s\n", str);
    printf("Float value is %f\n", flt);
    printf("Integer value is %d\n", no);
    printf("Octal value is %o\n", no);
    printf("Hexadecimal value is %x\n", no);
    return 0;
}
```

# Exercise 4

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- **Write a program showing the following output**
  - My name is “AAA”
  - My age is “00”
  - My phone number is “000”
- **Write a program showing the following output**
  - $4 \times 5 = 20$
  - $7 \times 9 = 63$

# Exercise 5

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- Write a program showing the following output

```
*****  
Report  
*****  
Department:  
StudentID:  
Name:  
*****
```

# Exercise 6

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- Write a program showing the following output

```
+  
++  
+++  
++++  
+++++
```

- Write a program showing the following output

```
*****  
****  
***  
**  
*
```

# Exercise 7

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- Write a program showing the following output

A = 4, B = 5, C = 7  
A+B\*C = 39

- Write a program showing the following output

A = 4, B = 5, C = 7  
(A+B)\*C = 63



# Exercise 8

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- Write the following program code

```
#include <stdio.h>
int main()
{
    printf("My name is
xxx\n");
    //printf("this is comment\n");
    /*
    printf("this is also comment\n");
    */
    return 0;
}
```

# Exercise 9

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- Write a program showing the following output
- “ ” means blank

```
* * * *
* * *
* *
*
```

# Exercise 10

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- Write a program showing the following output
- xxx means your student ID , yyy means number that your student ID x 11

My student ID is xxx !  
My student ID x 11 is yyy!