

기초 컴퓨터 프로그래밍 1 주차 과제(20216793 김준섭)

Exercise 1

```
1  #include <stdio.h>
2
3  int main(void) {
4      printf("Apple %d \n", 100);
5      printf("Apple %d Orange %d\n", 100, 200);
6      printf("Apple %d Orange %d Kiwi %d\n", 100, 200, 300);
7      return 0;
8  }
```

Microsoft Visual Studio Debug Console

```
Apple 100
Apple 100 Orange 200
Apple 100 Orange 200 Kiwi 300

F:\CAU_HW\BasicComputerProgramming\BasicComputerProgrammingWeek1\Debug\BasicComputerProgrammingWeek1.exe
exited with code 0.
Press any key to close this window . . .
```

Exercise 2

```
1  #include <stdio.h>
2
3  int main(void) {
4      int val = 0;
5      val = 1 + 2;
6      printf("1 + 2 = %d\n", val);
7
8      val = 2 + 3;
9      printf("2 + 3 = %d\n", val);
10     return 0;
11 }
```

Microsoft Visual Studio Debug Console

```
1 + 2 = 3
2 + 3 = 5

F:\CAU_HW\BasicComputerProgramming\BasicComputerProgrammingWeek1\Debug\BasicComputerProgrammingWeek1.exe (process 1725)
exited with code 0.
Press any key to close this window . . .
```

Exercise 3

```
1  #include <stdio.h>
2
3  int main(void) {
4      char ch = 'A';
5      char str[20] = "fresh2refresh.com";
6      float flt = 10.234;
7      int no = 150;
8      double dbl = 20.123456;
9      printf("Character is %c\n", ch);
10     printf("String is %s\n", str);
11     printf("Float value is %f\n", flt);
12     printf("Integer value is %d\n", no);
13     printf("Octal value is %o\n", no);
14     printf("Hexadecimal value is %x\n", no);
15     return 0;
16 }
```

Microsoft Visual Studio Debug Console

Character is A
String is fresh2refresh.com
Float value is 10.234000
Integer value is 150
Octal value is 226
Hexadecimal value is 96

F:\CAU_HW\BasicComputerProgramming\BasicComputerProgrammingWeek1\Debug\BasicComputerProgrammingWeek1.exe exited with code 0.
Press any key to close this window . . .

Exercise 4

```
1  #include <stdio.h>
2
3  int main(void) {
4      char name[12] = "Junseob Kim";
5      int age = 20;
6      char phone[13] = "01094772718";
7
8      printf("My name is %s \n", name);
9      printf("My age is %d \n", age);
10     printf("My phone number is %s \n", phone);
11
12     char fQ[9] = "4 X 5 = ";
13     int fA = 4 * 5;
14     char sQ[9] = "7 X 9 = ";
15     int sA = 7 * 9;
16
17     printf("%s%d", fQ, fA);
18     printf("%s%d", sQ, sA);
19     return 0;
20 }
```


Microsoft Visual Studio Debug Console

My name is Junseob Kim
My age is 20
My phone number is 01094772718
4 X 5 = 207 X 9 = 63

F:\CAU_HW\BasicComputerProgramming\BasicComputerProgrammingWeek1\Debug\BasicComputerProgrammingWeek1.exe exited with code 0.
Press any key to close this window . . .

Exercise 5

```
1  #include <stdio.h>
2
3  int main(void) {
4      printf("\n");
5      printf("%20s\n", "*****");
6      printf("%16s\n", "Report");
7      printf("%20s\n", "*****");
8      printf("%22s\n", "Department:Software");
9      printf("%21s\n", "StudentID:20216793");
10     printf("%20s\n", "Name:Junseob Kim");
11     printf("%20s\n", "*****");
12 }
```

 Microsoft Visual Studio Debug Console

```
*****
      Report
*****
  Department:Software
  StudentID:20216793
    Name:Junseob Kim
*****
```

```
F:\CAU_HW\BasicComputerProgramming\BasicComputerProgramingWeek1
exited with code 0.
Press any key to close this window . . .
```

Exercise 6

```
#include <stdio.h>

int main(void) {
    for (int i = 0; i < 5; i++) {
        for (int j = 0; j < i+1; j++) {
            printf("+");
        }
        printf("\n");
    }
    printf("\n");
    for (int i=0; i < 5; i++) {
        for (int j=0; j < 5 - i; j++) {
            printf("*");
        }
        printf("\n");
    }
}
```

Microsoft Visual Studio Debug Console

```
+
++
+++
++++
+++++
*****
****
***
**
*
```

Exercise 7

```
1  #include <stdio.h>
2
3  int main(void) {
4      int a = 4;
5      int b = 5;
6      int c = 7;
7      int result = a + b * c;
8
9      printf("A = %d, B = %d, C = %d\n", a, b, c);
10     printf("A+B*C = %d\n\n", result);
11
12     int a1 = 4;
13     int b1 = 5;
14     int c1 = 7;
15     int result1 = (a1 + b1) * c1;
16
17     printf("A = %d, B = %d, C = %d\n", a1, b1, c1);
18     printf("(A+B)*C = %d\n", result1);
19 }
```

Microsoft Visual Studio Debug Console

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

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

Exercise 8

```
#include <stdio.h>

int main(void) {
    printf("My name is JunseobKm\n");
    //printf("this is comment\n");
    /*
    printf("this is also comment\n");
    */
    return 0;
}
```

Microsoft Visual Studio Debug Console

My name is JunseobKm

Exercise 9

```
1  #include <stdio.h>
2
3  int main(void) {
4      for (int i=0; i < 4; i++) {
5          for (int j=0; j < 4 - i; j++) {
6              printf("* ");
7          }
8          printf("\n");
9      }
10 }
```

Microsoft Visual Studio Debug Console

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

Exercise 10

```
1  #include <stdio.h>
2
3  int main(void) {
4      int ID = 20216793;
5      int result = ID * 11;
6      printf("My student ID is %d\n", ID);
7      printf("My student ID x 11 is %d", result);
8  }
```

Microsoft Visual Studio Debug Console

```
My student ID is 20216793
My student ID x 11 is 222384723
F:\CAU_HW\BasicComputerProgramming\BasicComputerProgramingWeek1\Debug\BasicComputerProgramingWeek1.exe (pr
exited with code 0.
```