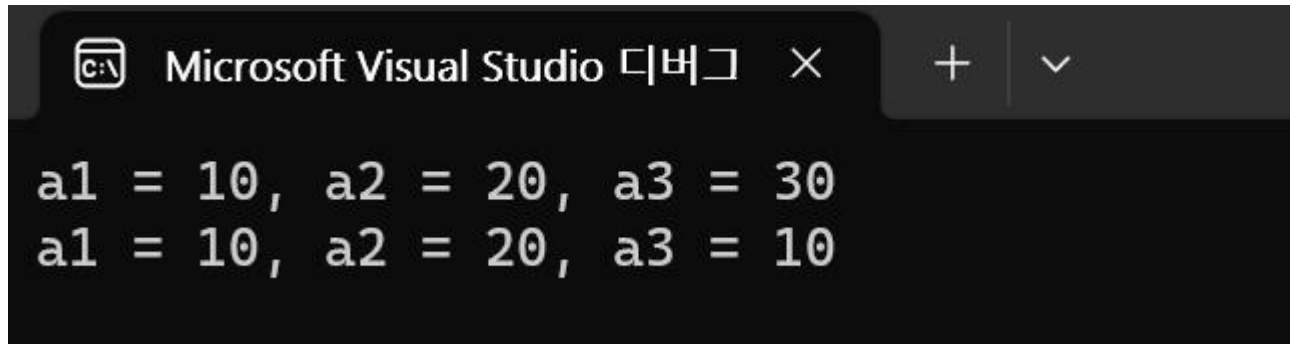


실습 1.

```
#include <stdio.h>
```

```
int main() {  
    int a1, a2, a3;  
    a1 = 10;  
    a2 = 20;  
    a3 = a1 + a2;  
    printf("a1 = %d, a2 = %d, a3 = %d \n", a1, a2, a3);  
    a3 = a2 / 2;  
    printf("a1 = %d, a2 = %d, a3 = %d\n", a1, a2, a3);  
    return 0;  
}
```

실습 1 실행화면.



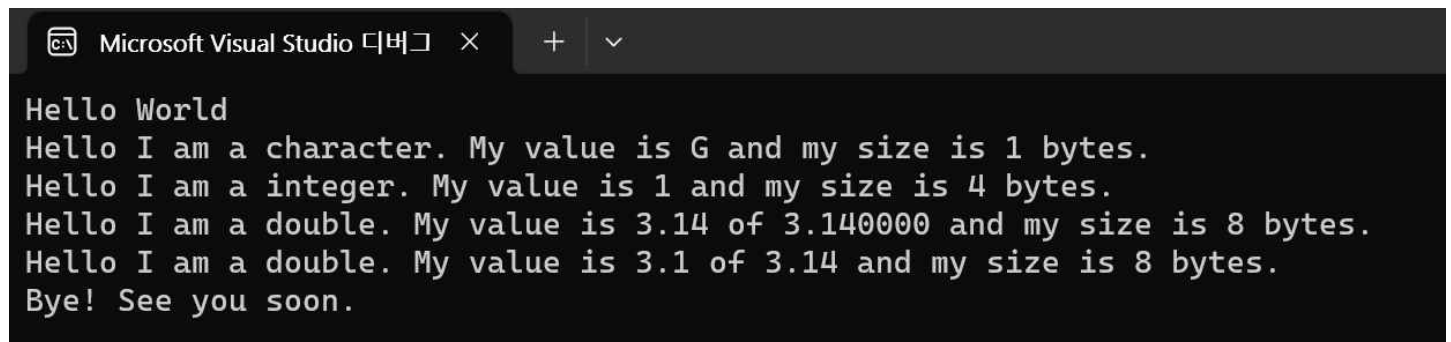
```
Microsoft Visual Studio 디버깅 × + ▾  
  
a1 = 10, a2 = 20, a3 = 30  
a1 = 10, a2 = 20, a3 = 10
```

실습 2.

```
#include <stdio.h>
```

```
int main() {  
    int a = 1;  
    char b = 'G';  
    double c = 3.14;  
  
    printf("Hello World\n");  
  
    printf("Hello I am a character. My value is %c and my size is %lu bytes. \n", b, sizeof(char));  
  
    printf("Hello I am a integer. My value is %d and my size is %lu bytes. \n", a, sizeof(int));  
  
    printf("Hello I am a double. My value is %g of %lf and my size is %lu bytes. \n", c, c, sizeof(double));  
  
    printf("Hello I am a double. My value is %.2g of %.2lf and my size is %lu bytes. \n", c, c, sizeof(double));  
  
    printf("Bye! See you soon. \n");  
    return 0;  
}
```

실습 2 실행화면.



The screenshot shows the Microsoft Visual Studio debug console with the following output:

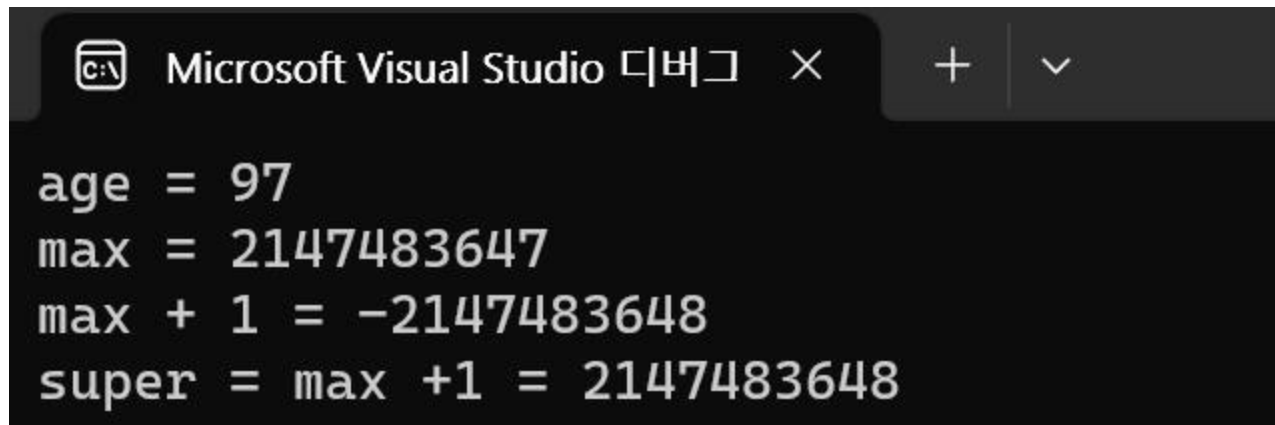
```
Hello World  
Hello I am a character. My value is G and my size is 1 bytes.  
Hello I am a integer. My value is 1 and my size is 4 bytes.  
Hello I am a double. My value is 3.14 of 3.140000 and my size is 8 bytes.  
Hello I am a double. My value is 3.1 of 3.14 and my size is 8 bytes.  
Bye! See you soon.
```

실습 3.

```
#include <stdio.h>
```

```
int main() {  
    unsigned char age = 97;  
    int max = 2147483647; // int range: (-2^31) ~ (2^31-1)  
    int max_plus_1 = max + 1; // this line makes overflow!!  
    unsigned int super = max + 1; //unsigned int range 0~(2^31-1)  
  
    printf("age = %d\nmax = %d\n", age, max);  
    printf("max + 1 = %d\n", max_plus_1);  
    printf("super = max +1 = %u\n", super);  
  
    return 0;  
}
```

실습 3 실행화면.



The screenshot shows the Microsoft Visual Studio interface with a terminal window. The terminal output displays the following values:

```
age = 97  
max = 2147483647  
max + 1 = -2147483648  
super = max +1 = 2147483648
```

실습 4.

```
#include <stdio.h>
```

```
int main() {  
    double width, height, area;  
    width = 3.0;  
    height = 5.0;  
    area = width * height / 2.0;  
  
    printf("밑변 %lfcm, 높이 %lfcm, 삼각형의 넓이 %lfcm²\n", width, height, area);  
    return 0;  
}
```

실습 4 실행하면.

