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실습 1.

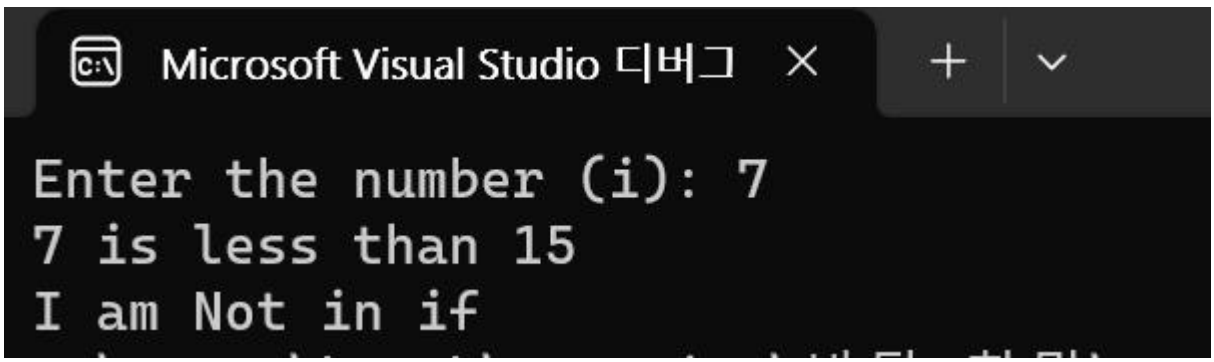
```c
#include <stdio.h>

int main() {
    int i = 0;

    printf("Enter the number (i): ");
    scanf("%d", &i);

    if (i < 15)
        printf("%d is less than 15\n", i);
    printf("I am Not in if");
    return 0;
}
```

실습 1 실행 화면.



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실습 2.

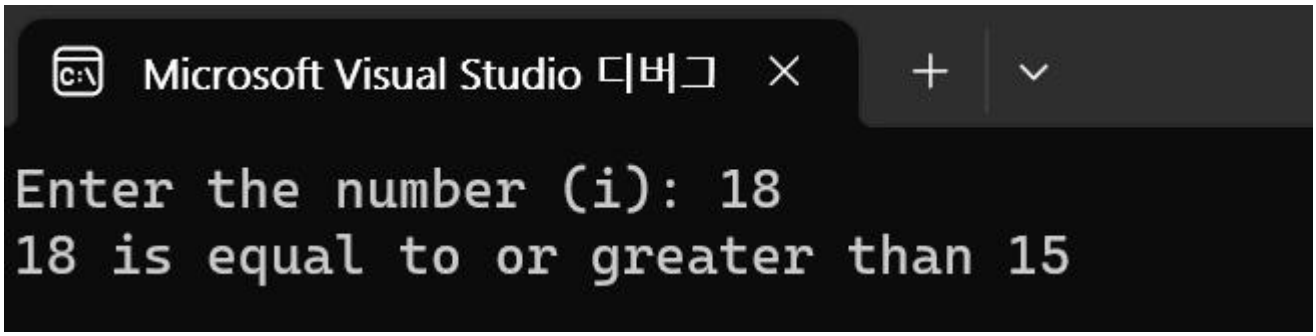
```c
#include <stdio.h>

int main() {
    int i = 0;

    printf("Enter the number (i): ");
    scanf("%d", &i);

    if (i < 15)
        printf("%d is less than 15\n", i);
    else
        printf("%d is equal to or greater than 15\n", i);
    return 0;
}
```

실습 2 실행 화면.



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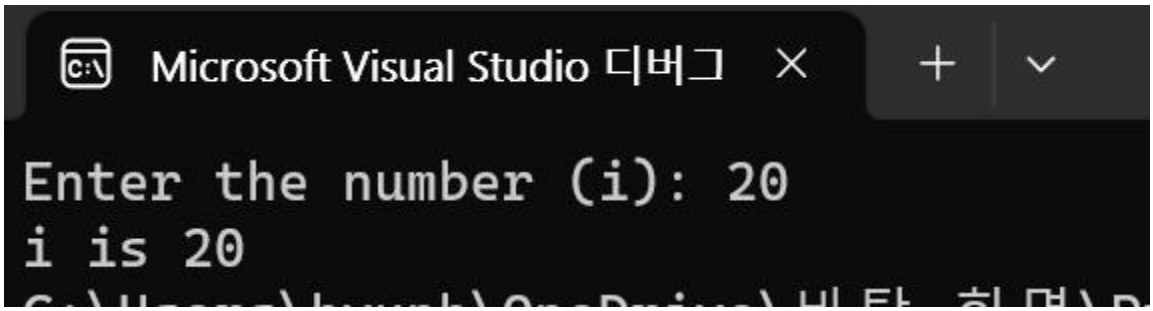
실습 3.

```c
#include <stdio.h>

int main() {
    int i = 0;
    printf("Enter the number (i): ");
    scanf("%d", &i);

    if (i == 10)
        printf("i is 10");
    else if (i == 15)
        printf("i is 15");
    else if (i == 20)
        printf("i is 20");
    else
        printf("i is not present");
    return 0;
}
```

실습 3 실행 화면.



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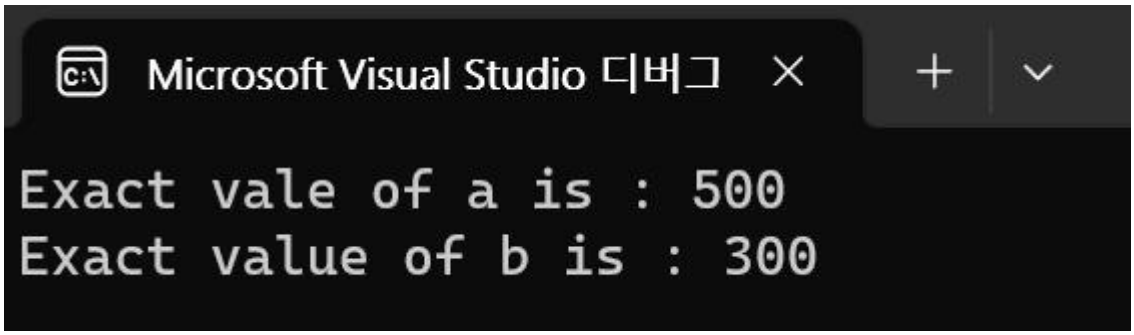
실습 4.

```c
#include <stdio.h>

int main() {
    int a = 500;
    int b = 300;

    if (a == 100) {
        if (b == 200) {
            printf("Value of a is 100 and b is 200\n");
        }
    }

    printf("Exact vale of a is : %d\n", a);
    printf("Exact value of b is : %d\n", b);

    return 0;
}
```

실습 4 실행 화면.



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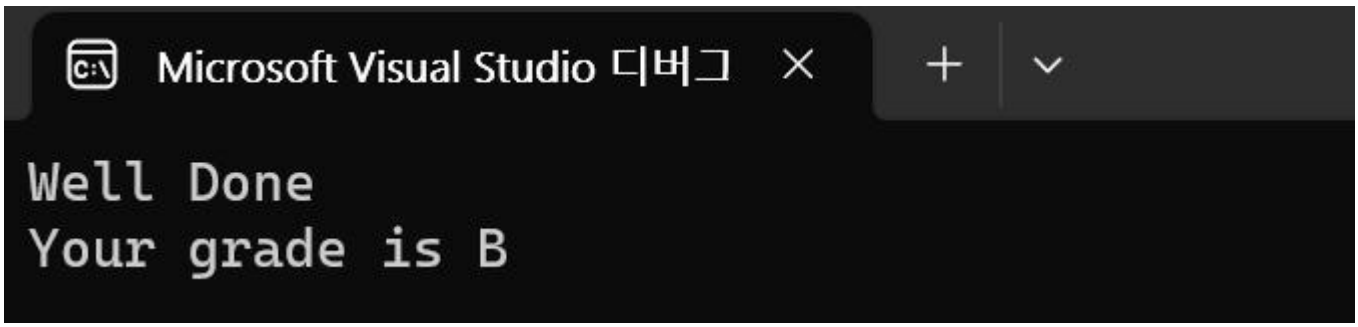
실습 5.

```c
#include <stdio.h>

int main() {
    char grade = 'B';
    switch (grade) {
    case 'A':
        printf("Excellent!\n");
        break;
    case 'B':
    case 'C':
        printf("Well Done\n");
        break;
    case 'D':
        printf("You passed\n");
        break;
    case 'F':
        printf("Better try again\n");
        break;
    default:
        printf("Invalid grade\n");
    }
    printf("Your grade is %c\n", grade);
    return 0;
}
```

실습 5 실행 화면.



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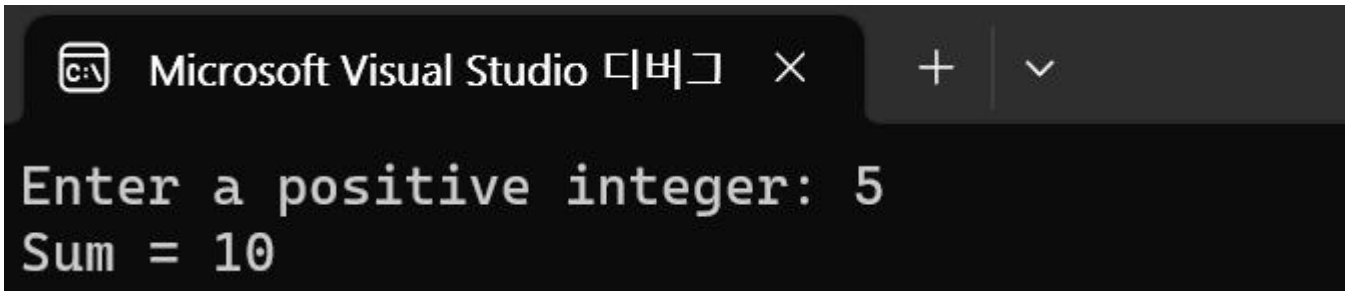
실습 6.

```c
#include <stdio.h>

int main() {
    int num, count, sum = 0;

    printf("Enter a positive integer: ");
    scanf("%d", &num);

    // for loop terminates when num is less than count
    for (count = 1; count < num; count++) {
        sum += count; // sum = sum + count;
    }

    printf("Sum = %d", sum);

    return 0;
}
```

실습 6 실행 화면.



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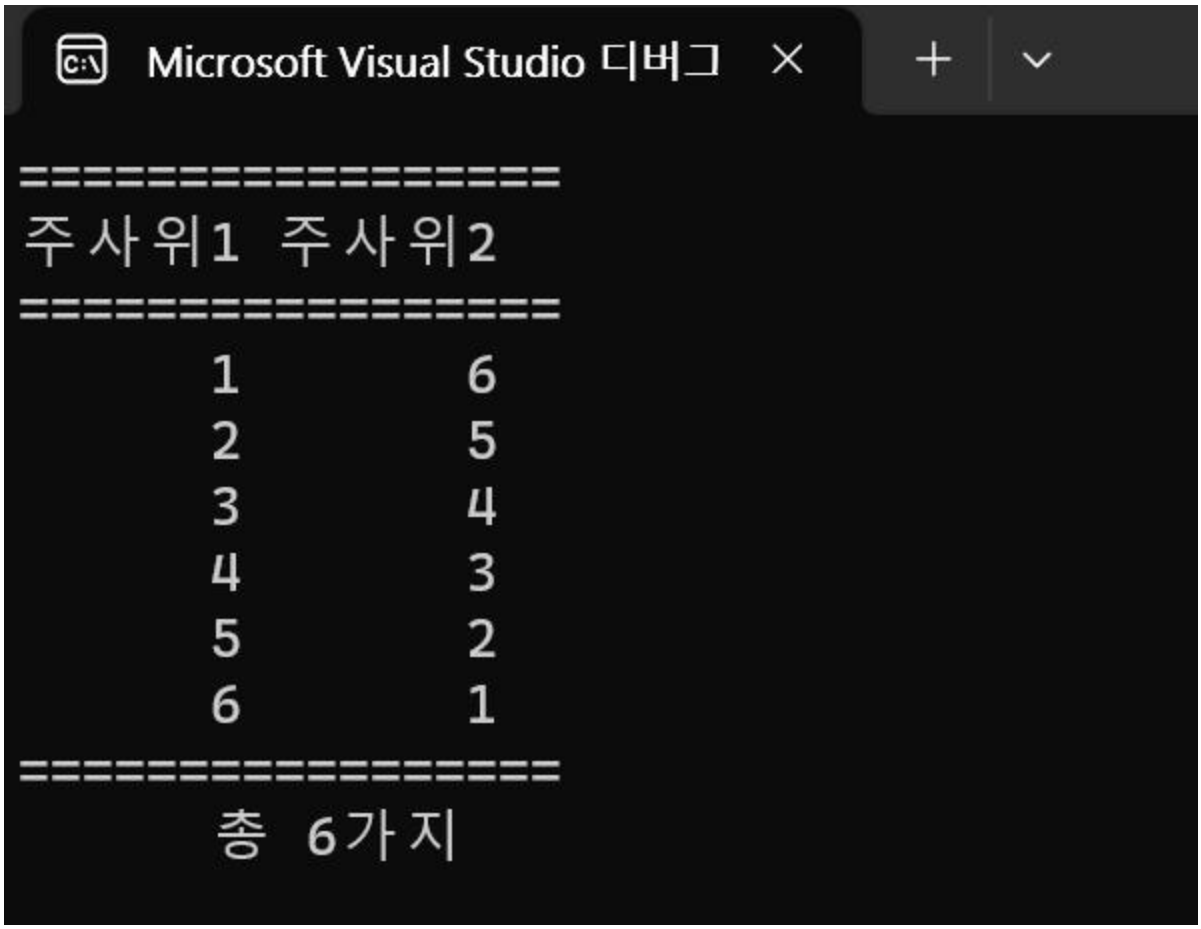
실습 7.

```
#include <stdio.h>

int main() {
    int dice1, dice2, cnt = 0;

    printf("=================\n");
    printf("주사위1 주사위2\n");
    printf("=================\n");
    for (dice1 = 1; dice1 < 7; dice1++) {
        for (dice2 = 1; dice2 < 7; dice2++) {
            if (7 - dice1 == dice2) {
                printf("%7d %7d\n", dice1, dice2);
                cnt++;
            }
        }
    }
    printf("=================\n");
    printf("       총 %d가지\n", cnt);
    return 0;
}
```

실습 7 실행 화면.



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실습 8.

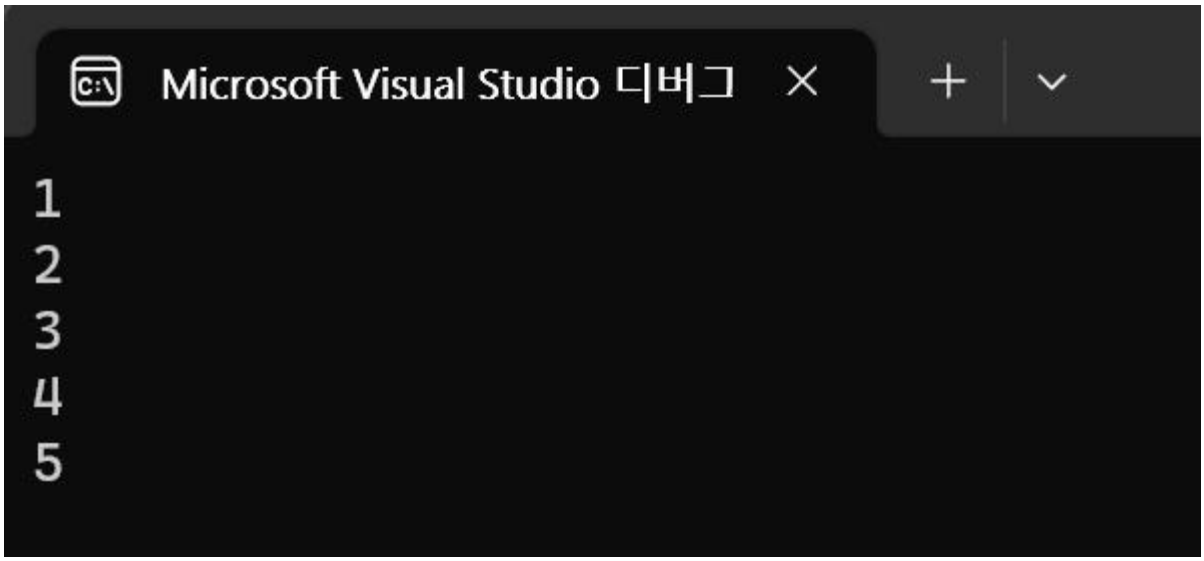
```c
// Print numbers from 1 to 5
#include <stdio.h>

int main() {
    int i = 1;

    while (i <= 5) {
        printf("%d\n", i);
        ++i;
    }

    return 0;
}
```

실습 8 실행 화면.



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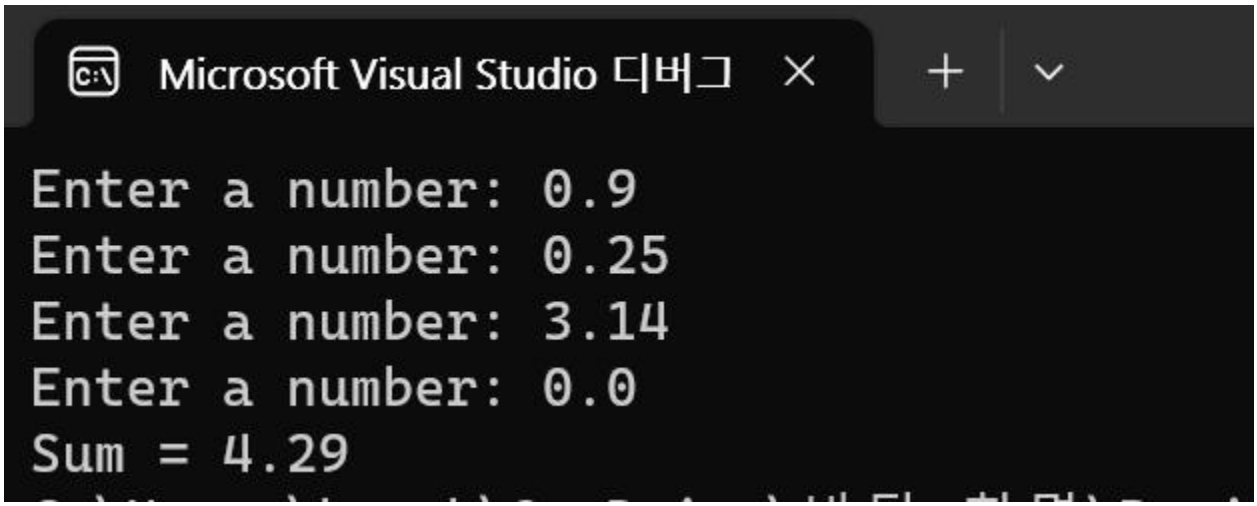
실습 9.

```c
// Program to add numbers untill the user enters zero
#include <stdio.h>

int main() {
    double number, sum = 0;

    do {
        printf("Enter a number: ");
        scanf("%lf", &number);
        sum += number;
    } while (number != 0.0);

    printf("Sum = %.2lf", sum);

    return 0;
}
```

실습 9 실행 화면.



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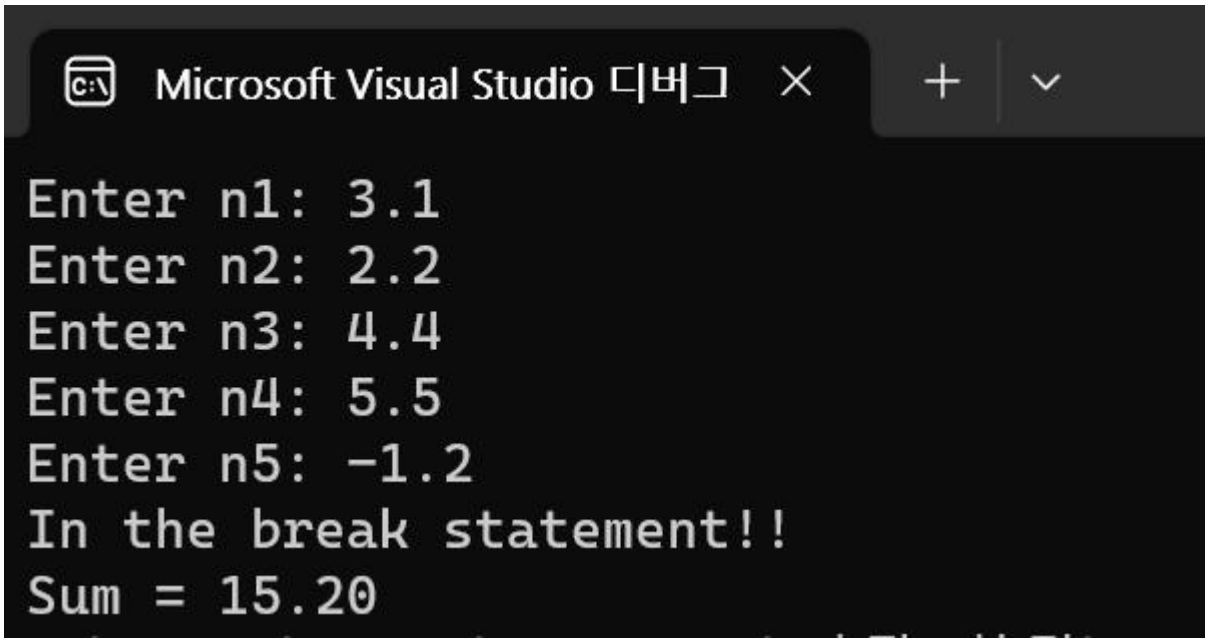
실습 10.

```c
// Program to calculate the sum of numbers (10 numbers max)
// If the user enters a negative number, the loop terminates
#include <stdio.h>

int main() {
    int i;
    double number, sum = 0.0;

    for (i = 1; i <= 10; ++i) {
        printf("Enter n%d: ", i);
        scanf("%lf", &number);

        // if the user enters a negative number, break the loop
        if (number < 0.0) {
            printf("In the break statement!!\n");
            break;
        }
        sum += number; // sum = sum + number;
    }
    printf("Sum = %.2lf", sum);

    return 0;
}
```

실습 10 실행 화면.



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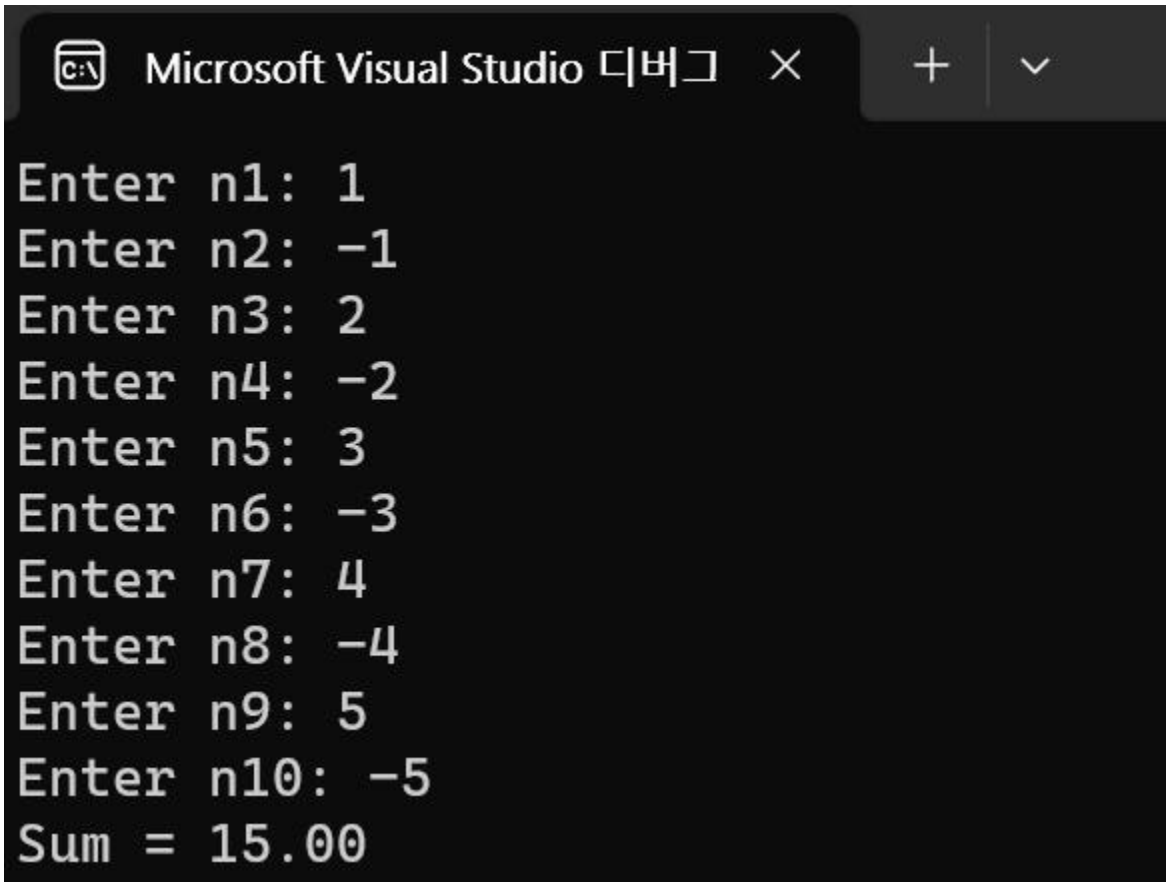
실습 11

```c
// Program to calculate the sum of numbers (10 numbers max)
// If the enters a negative number, it's not added to the result
#include <stdio.h>

int main() {
    int i;
    double number, sum = 0.0;

    for (i = 1; i <= 10; ++i) {
        printf("Enter n%d: ", i);
        scanf("%lf", &number);

        // if the user enters a negative number, break the loop
        if (number < 0.0) {
            continue;
        }
        sum += number; // sum = sum + number;
    }
    printf("Sum = %.2lf", sum);

    return 0;
}
```

실습 11 실행 화면.



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실습 12.

```c
// Program to calculate the sum and average of positive numbers
// If the user enters a negative number, the sum and average are displayed.
#include <stdio.h>

int main() {
    const int maxinput = 100;
    int i;
    double number, average, sum = 0.0;

    for (i = 1; i <= maxinput; ++i) {
        printf("%d. Enter a number: ", i);
        scanf("%lf", &number);

        // go to jump if the user enters a negative number
        if (number < 0.0) {
            goto jump;
        }
        sum += number;
    }
jump:
    average = sum / (i - 1);
    printf("Sum = %.2f\n", sum);
    printf("Average = %.2f", average);

    return 0;
}
```

실습 12 실행 화면.