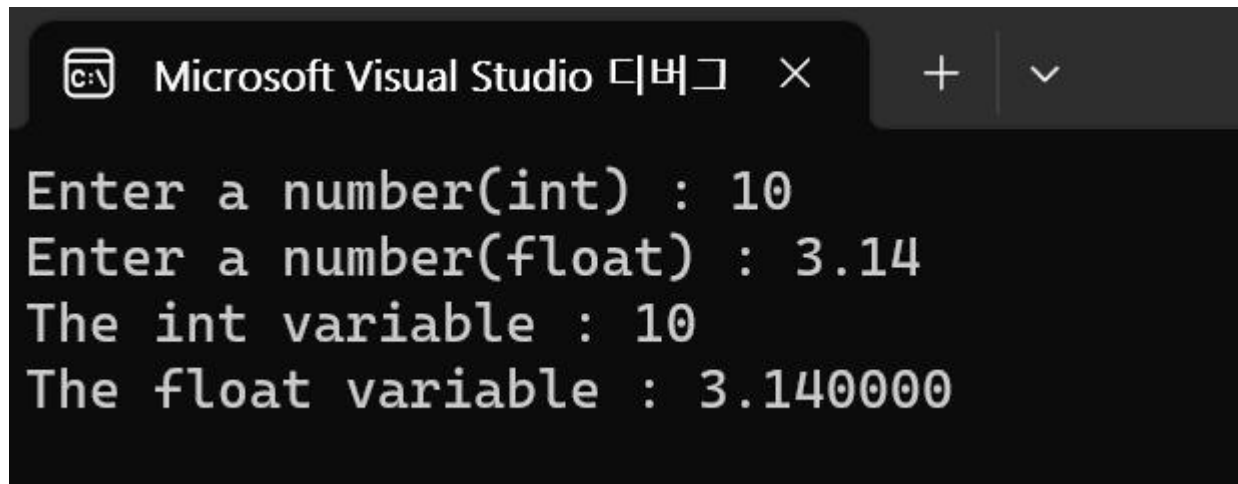


실습 1.

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

```
int main() {  
    int a;  
    float b = 3.14;  
  
    printf("Enter a number(int) : ");  
    scanf("%d", &a);  
    printf("Enter a number(float) : ");  
    scanf("%f", &b);  
  
    printf("The int variable : %d\n", a);  
    printf("The float variable : %f\n", b);  
    return 0;  
}
```

실습 1 실행화면.

A screenshot of the Microsoft Visual Studio integrated development environment. The title bar at the top shows the Visual Studio icon, the text "Microsoft Visual Studio 디버그", and standard window controls (close, maximize, and a dropdown menu). The main area is a black console window with white text. It displays the output of the program: "Enter a number(int) : 10", "Enter a number(float) : 3.14", "The int variable : 10", and "The float variable : 3.140000".

```
Microsoft Visual Studio 디버그 × + ▾  
Enter a number(int) : 10  
Enter a number(float) : 3.14  
The int variable : 10  
The float variable : 3.140000
```

실습 2.

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

```
int main() {
    int n = 123;
    //flags
    printf("%d, %+d, %d\n", 10, 10, -10);
    printf("-----\n");

    //flags + width
    printf("n=%d\n", n);
    printf("n=%5d\n", n);
    printf("n=%+5d\n", n);
    printf("n=%-5d\n", n);
    printf("n=%-+5d\n", n);
    printf("-----\n");

    //precision
    printf("%.2f, %0.f\n", 1.141, 1.141);
    printf("%.2e, %0.e\n", 1.141, 100.00);
    printf("%.4s\n", "Hello");
    printf("%.1s\n", "Hello");
    return 0;
}
```

실습 2 실행화면.

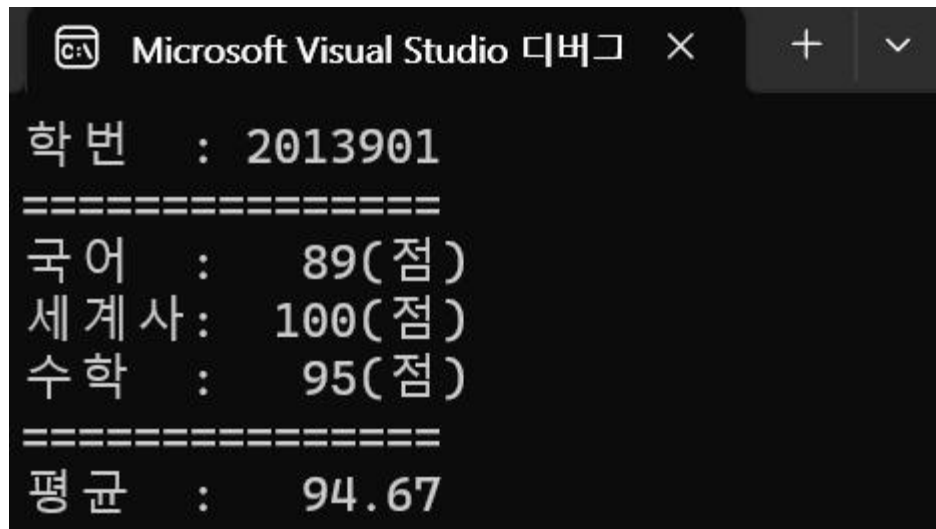
```
Microsoft Visual Studio 디버그
10, +10, -10
-----
n=123
n= 123
n= +123
n=123
n=+123
-----
1.14, 1
1.14e+00, 1e+02
Hell
H
```

실습 3.

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

```
int main() {  
    int cod = 2013901, kor = 89, his = 100, math = 95;  
    double avg = (kor + his + math) / 3.0;  
    printf("%-6s: %d\n", "학번", cod);  
    printf("=====\n");  
    printf("%-6s: %4d(점)\n", "국어", kor);  
    printf("%-6s: %4d(점)\n", "세계사", his);  
    printf("%-6s: %4d(점)\n", "수학", math);  
    printf("=====\n");  
    printf("%-6s: %7.2lf\n", "평균", avg);  
    return 0;  
}
```

실습 3 실행화면.



The screenshot shows the output of the program in a black console window. The text is as follows:

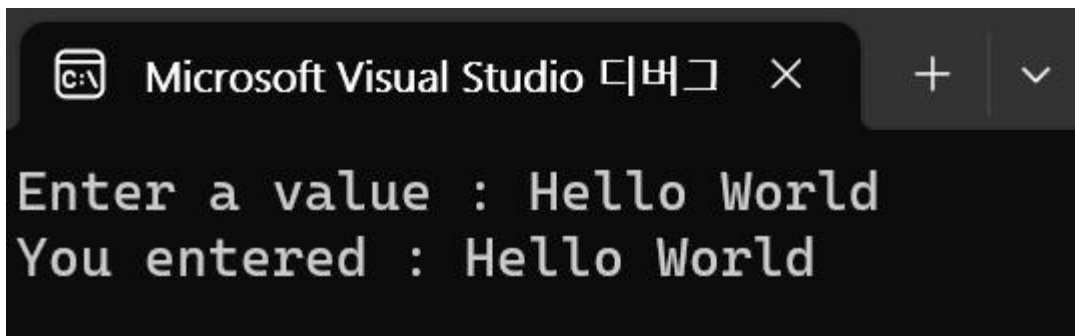
```
학 번   : 2013901  
=====  
국 어   :    89(점)  
세 계 사 :   100(점)  
수 학   :    95(점)  
=====  
평 균   :   94.67
```

실습 4.

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

```
int main() {  
    char str[100];  
  
    printf("Enter a value : ");  
    fgets(str, 15, stdin);  
  
    printf("You entered : %s", str);  
    return 0;  
}
```

실습 4 실행화면.



```
Microsoft Visual Studio 디버거 × + ▾  
Enter a value : Hello World  
You entered : Hello World
```

실습 5.

#include <stdio.h>

```

int main() {
    char name[10];
    int grade;
    double gpa, score;
    printf("이름은? ");
    fgets(name, 10, stdin);
    printf("몇 학년? ");
    scanf("%d", &grade);
    printf("%d학년 평점은? ", grade);
    scanf("%lf", &gpa);
    score = 100.0 * gpa / 4.5;
    printf("\n-----\n");
    printf("   이름      학년   평점 (점수)\n");
    printf("-----\n");
    printf("%-10s %d %7.1lf (%5.1lf)\n", name, grade, gpa, score);
    printf("-----\n");
    return 0;
}

```

실습 5 실행화면.

Microsoft Visual Studio 디버그

```

이름은? 박병현
몇 학년? 3
3학년 평점은? 4.3

-----
   이름      학년   평점 (점수)
-----
박병현
      3      4.3 ( 95.6)
-----

```