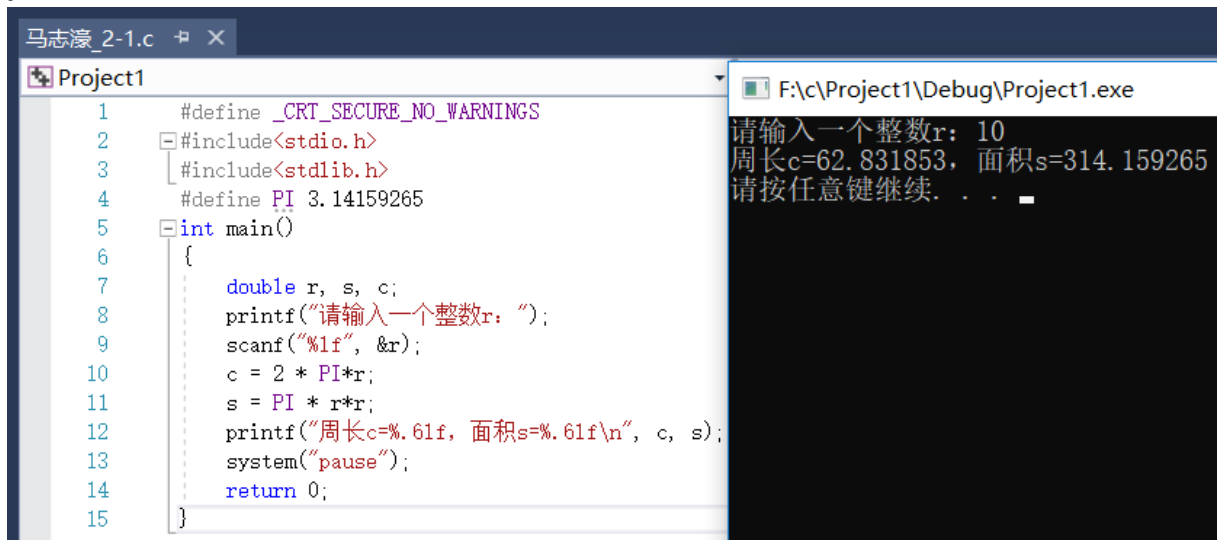


2-1

```
#define _CRT_SECURE_NO_WARNINGS
#include<stdio.h>
#include<stdlib.h>
#define PI 3.14159265
int main()
{
    double r, s, c;
    printf("请输入一个整数r: ");
    scanf("%lf", &r);
    c = 2 * PI*r;
    s = PI * r*r;
    printf("周长c=%.6lf, 面积s=%.6lf\n", c, s);
    system("pause");
    return 0;
}
```



2-2

```
#define _CRT_SECURE_NO_WARNINGS
#include<stdio.h>
#include<stdlib.h>
int main()
{
    int a;
    printf("Enter x:");
    scanf("%d", &a);
    if (a % 3 == 0 && a % 5 == 0 && a % 7 == 0)
        printf("能同时被 3、5、7 整除\n");
    if ((a % 3 != 0 && a % 5 == 0 && a % 7 == 0) || (a % 3 == 0 && a % 5 != 0 && a % 7 == 0) || (a % 3 == 0 && a % 5 == 0 && a % 7 != 0))
        printf("能被其中两数整除\n");
    if ((a % 3 != 0 && a % 5 != 0 && a % 7 == 0) || (a % 3 == 0 && a % 5 != 0 && a % 7 != 0) || (a % 3 != 0 && a % 5 == 0 && a % 7 != 0))
        printf("能被其中一个数整除\n");
    if (a % 3 != 0 && a % 5 != 0 && a % 7 != 0)
        printf("不能被 3、5、7 任一个数整除\n");
    system("pause");
    return 0;
}
```

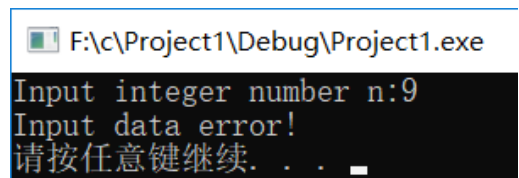
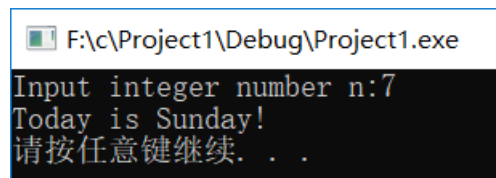
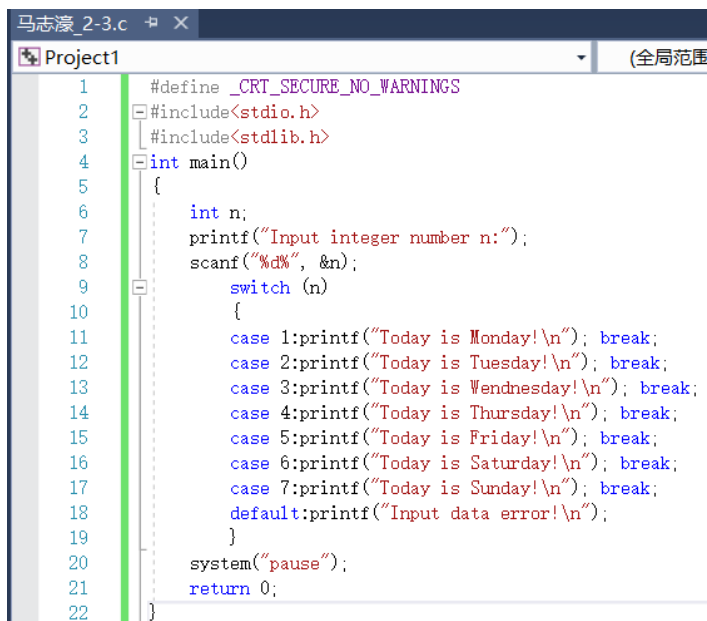
The screenshot shows a C++ IDE with the code from the previous block. Below the code editor, there are four panels showing the execution of the program with different input values. Each panel displays the input 'x' and the corresponding output message.

Input (x)	Output
15	能被其中两数整除 请按任意键继续. . .
14	能被其中一个数整除 请按任意键继续. . .
105	能同时被 3、5、7 整除 请按任意键继续. . .
17	不能被 3、5、7 任一个数整除 请按任意键继续. . .

在写 scanf 函数时容易遗漏地址符&。

2-3

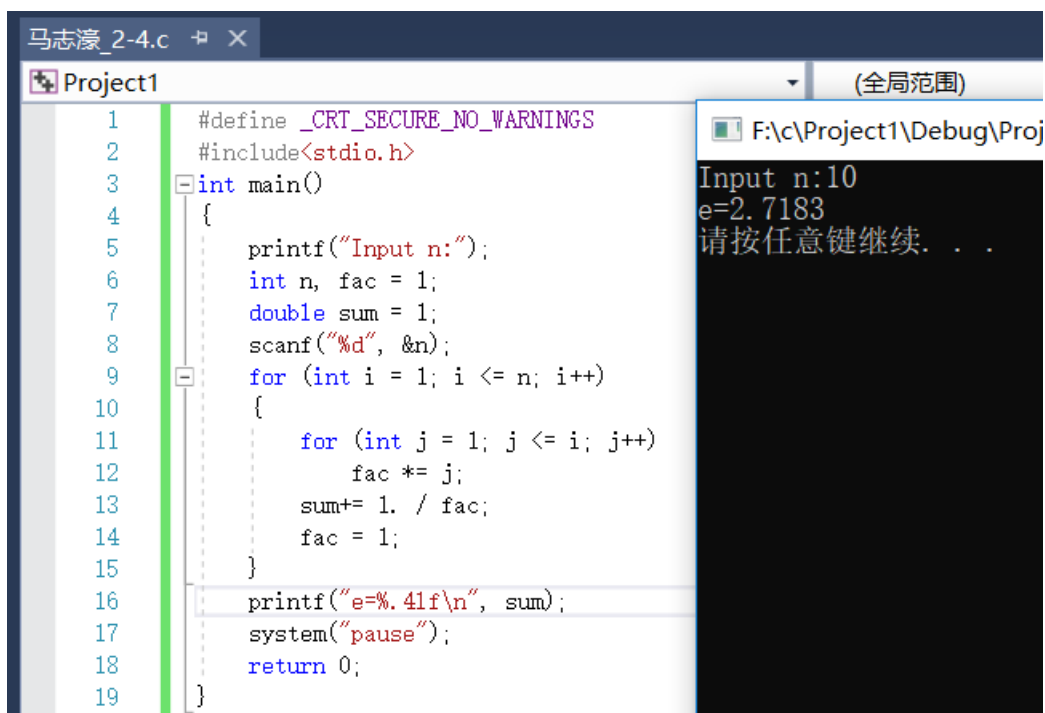
```
#define _CRT_SECURE_NO_WARNINGS
#include<stdio.h>
#include<stdlib.h>
int main()
{
    int n;
    printf("Input integer number n:");
    scanf("%d%", &n);
    switch (n)
    {
        case 1:printf("Today is Monday!\n"); break;
        case 2:printf("Today is Tuesday!\n"); break;
        case 3:printf("Today is Wednesday!\n"); break;
        case 4:printf("Today is Thursday!\n"); break;
        case 5:printf("Today is Friday!\n"); break;
        case 6:printf("Today is Saturday!\n"); break;
        case 7:printf("Today is Sunday!\n"); break;
        default:printf("Input data error!\n");
    }
    system("pause");
    return 0;
}
```



switch 函数的运用仍然不是很熟练，需多加训练。
scanf 函数中的后引号丢失。

2-4

```
#define _CRT_SECURE_NO_WARNINGS
#include<stdio.h>
#include<stdlib.h>
int main()
{
    printf("Input n:");
    int n, fac = 1;
    double sum = 1;
    scanf("%d", &n);
    for (int i = 1; i <= n; i++)
    {
        for (int j = 1; j <= i; j++)
            fac *= j;
        sum+= 1. / fac;
        fac = 1;
    }
    printf("e=%.4lf\n", sum);
    system("pause");
    return 0;
}
```



The screenshot shows a C++ IDE with a file named '马志濠_2-4.c'. The code is the same as the one above. The output window on the right shows the program's execution: 'Input n:10', 'e=2.7183', and '请按任意键继续. . .'. The code is highlighted with a green vertical bar on the left side of the editor.

需要在 13 行的 1 后加 “.” 使其变为浮点型。