

1

1 2 3 4 5 6 7 8 9 10 11 12 13

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

int main()
{
    # define M_PI      3.14159265358979323846
    float p = M_PI;
    printf("%.2f\n", p );
    printf("%.7f\n", p );
    printf("%i\n", (int) p);
    return 0
}
```

设计50 style50 100 ...

问题 输出 调试控制台 终端 窗口 评论

cs111/L4/ \$ make 1
cs111/L4/ \$./1
3.14
3.1415927
3
cs111/L4/ \$

+ - 100 ... ^ x

S 英 ' 100

10:47
2025/3/14

2

演练: 安装程序 VS Code Web

1.c

2.c

x

design50 style50

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("Please enter a capital letter \n");
6     char c = getchar();
7     c = c + 32;
8     printf("The lower letter is %c\n",c);
9 }
10
```

问题 输出 调试控制台 终端 窗口 评论

cs111/L4/ \$ make 2
cs111/L4/ \$./2
Please enter a capital letter
A
The lower letter is a
cs111/L4/ \$

英 10:55 2025/3/14

演练: 安装程序 VS Code Web

1.c

2.c

x

design50 style50

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("Please enter a capital letter \n");
6     char c;
7     scanf("%c", &c);
8     c = c + 32;
9     printf("The lower letter is %c\n",c);
10 }
11
```

问题 输出 调试控制台 终端 窗口 评论

cs111/L4/ \$ make 2
cs111/L4/ \$./2
Please enter a capital letter
B
The lower letter is b
cs111/L4/ \$

英 11:04 2025/3/14

3

编译: 安装程序 VS Code Web

1.c

2.c

3.c

×

design50 style50

```
1 #include <stdio.h>
2 int main()
3 {
4     int a = 3;
5     char b = 'A';
6     float c = 3.14;
7     double d = 3.14159;
8     a = a + b;
9     printf("output1 is %d\n",a);
10    printf("output2 is %f\n\n", (float)a);
11    int m = 3;
12    m = m + c;
13    printf("output1 is %d\n",m);
14    printf("output2 is %f\n\n", (float)m);
15    int n = 3;
16    n = n + d;
17    printf("output1 is %d\n",n);
18    printf("output2 is %f\n\n", (float)n);
19    return 0;
20 }
21
```

问题

输出

调试控制台

终端

窗口

评论

cs111/L4/ \$ make 3

cs111/L4/ \$./3

output1 is 68

output2 is 68.000000

output1 is 6

output2 is 6.000000

output1 is 6

output2 is 6.000000

cs111/L4/ \$

英

11:19

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4

The screenshot shows a VS Code Web editor interface. The top bar has a tab labeled '演练: 安装程序 VS Code Web' and several file tabs: '1.c', '2.c', '3.c', and '4.c'. The '4.c' tab is active, displaying the following C code:

```
1 #include <stdio.h>
2
3 int main() {
4
5     float a, b;
6
7     a = 1234567890.0f;
8
9     b = a + 20;
10
11     printf("%f\n", a);
12
13     printf("%f\n", b);
14
15     return 0;
16 }
17
18
```

Below the code editor is a terminal window with tabs: '问题', '输出', '调试控制台', '终端', '窗口', and '评论'. The '终端' tab is active, showing the following commands and output:

```
cs111/L4/ $ code 4.c
cs111/L4/ $ make 4
cs111/L4/ $ ./4
1234567936.000000
1234567936.000000
cs111/L4/ $
```

The bottom of the image shows a Windows taskbar with the system clock displaying '11:29' and the date '2025/3/14'.

The variables are emphasized as floats, but 1234567890.0 can't be precisely displayed as a float, then it's rounded to the nearest float and showed.

5

演练: 安装程序 VS Code Web

1.c2.c3.c4.c5.c x

design50 style50

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("Let's see\t\n");
6     printf("Let's see\n\n");
7     printf("Let's see\\n");
8     printf("Let's see?\n");
9     printf("Let's see'\n");
10    printf("Let's see\r\n");
11 }
12
```

问题 输出 调试控制台 终端 端口 评论

```
cs111/L4/ $ make 5
cs111/L4/ $ ./5
Let's see
Let's see

Let's see\
Let's see?
Let's see'
Let's see
cs111/L4/ $
```

11:37 2025/3/14

6

演练: 安装程序 VS Code Web

1.c2.c3.c4.c5.c6.cX

design50 style50

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char a, b;
6
7     a = getchar();
8     getchar();
9
10    b = getchar();
11
12    printf("%c", a);
13
14    printf("%c", b);
15    return 0;
16
17 }
18
```

问题 输出 调试控制台 终端 窗口 评论

cs111/L4/ \$ make 6
cs111/L4/ \$./6
s
f
sfcs111/L4/ \$

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11:50
2025/3/14

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char a,b;
6
7     int c;
8
9     scanf("%d", &c);
10    getchar();
11
12    b = getchar();
13
14    printf("%d", c);
15
16    printf("%c", b);
17    return 0;
18
19 }
20
```

```
cs111/L4/ $ make 6
cs111/L4/ $ ./6
4
8
4gcs111/L4/ $
```