

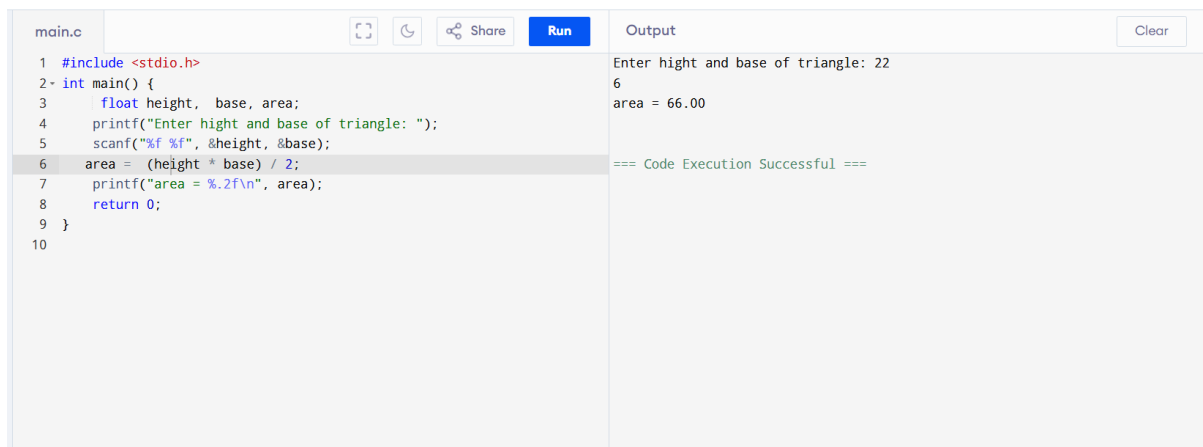
c programming assignment 1

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August 2025

1 20. Area of a triangle.

```
#include <stdio.h>
int main() {
    float height, base, area;
    printf("Enter hight and base of triangle: ");
    scanf("%f %f", &height, &base);
    area = (height * base) / 2;
    printf("area = %.2f\n", area);
    return 0;
}
```



The screenshot shows a code editor with a file named 'main.c'. The code is a C program to calculate the area of a triangle. It includes the standard input/output header, defines a main function, declares variables for height, base, and area, prompts the user for input, reads the input, calculates the area, and prints the result. The code is as follows:

```
1 #include <stdio.h>
2 int main() {
3     float height, base, area;
4     printf("Enter hight and base of triangle: ");
5     scanf("%f %f", &height, &base);
6     area = (height * base) / 2;
7     printf("area = %.2f\n", area);
8     return 0;
9 }
10
```

The output window shows the execution results:

```
Enter hight and base of triangle: 22
6
area = 66.00

=== Code Execution Successful ===
```

Figure 1: program 20