

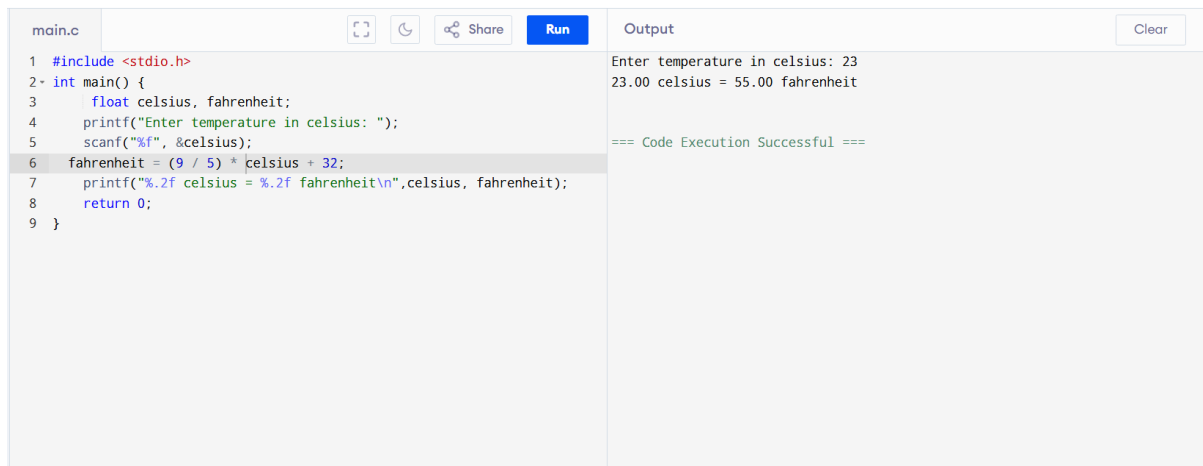
# c programming assignment 1

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## 1 14. Celsius to Fahrenheit.

```
#include <stdio.h>
int main() {
    float celsius, fahrenheit;
    printf("Enter temperature in celsius: ");
    scanf("%f", &celsius);
    fahrenheit = (9 / 5) * celsius + 32;
    printf("%.2f celsius = %.2f fahrenheit\n", celsius, fahrenheit);
    return 0;
}
```



The screenshot shows a code editor with a file named 'main.c'. The code is a C program that converts Celsius to Fahrenheit. It includes the standard input/output header, defines a main function, declares two float variables, prompts the user for input, reads the input, performs the conversion, and prints the result. The code is as follows:

```
1 #include <stdio.h>
2 int main() {
3     float celsius, fahrenheit;
4     printf("Enter temperature in celsius: ");
5     scanf("%f", &celsius);
6     fahrenheit = (9 / 5) * celsius + 32;
7     printf("%.2f celsius = %.2f fahrenheit\n", celsius, fahrenheit);
8     return 0;
9 }
```

The output window on the right shows the program's execution. It displays the prompt 'Enter temperature in celsius: 23', followed by the calculated result '23.00 celsius = 55.00 fahrenheit'. Below the output, it states '=== Code Execution Successful ==='.

Figure 1: program 14