

# c programming assignment 1

Mandanka Prince

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## 1 15. Fahrenheit to Celsius.

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



The screenshot shows a code editor with a file named 'main.c'. The code is as follows:

```
1 #include <stdio.h>
2 int main() {
3     float fahrenheit, celsius;
4     printf("Enter temperature in fahrenheit: ");
5     scanf("%f", &fahrenheit);
6     celsius = (5 / 9) * (fahrenheit - 32);
7     printf("%.2f fahrenheit = %.2f celsius\n", fahrenheit, celsius);
8     return 0;
9 }
10
```

The IDE has a 'Run' button and a 'Share' button. The output window shows the following text:

```
Enter temperature in fahrenheit: 23
23.00 fahrenheit = -0.00 celsius

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

Figure 1: program 15