

# LAB-1

## 4. PROGRAM TO CONVERT TEMPERATURE FROM FAHRENHEIT TO CENTIGRADE DEGREES.

```
#include<stdio.h>

int main()
{ float f,c;

printf("\nenter temperature in degree fahrenheit=");

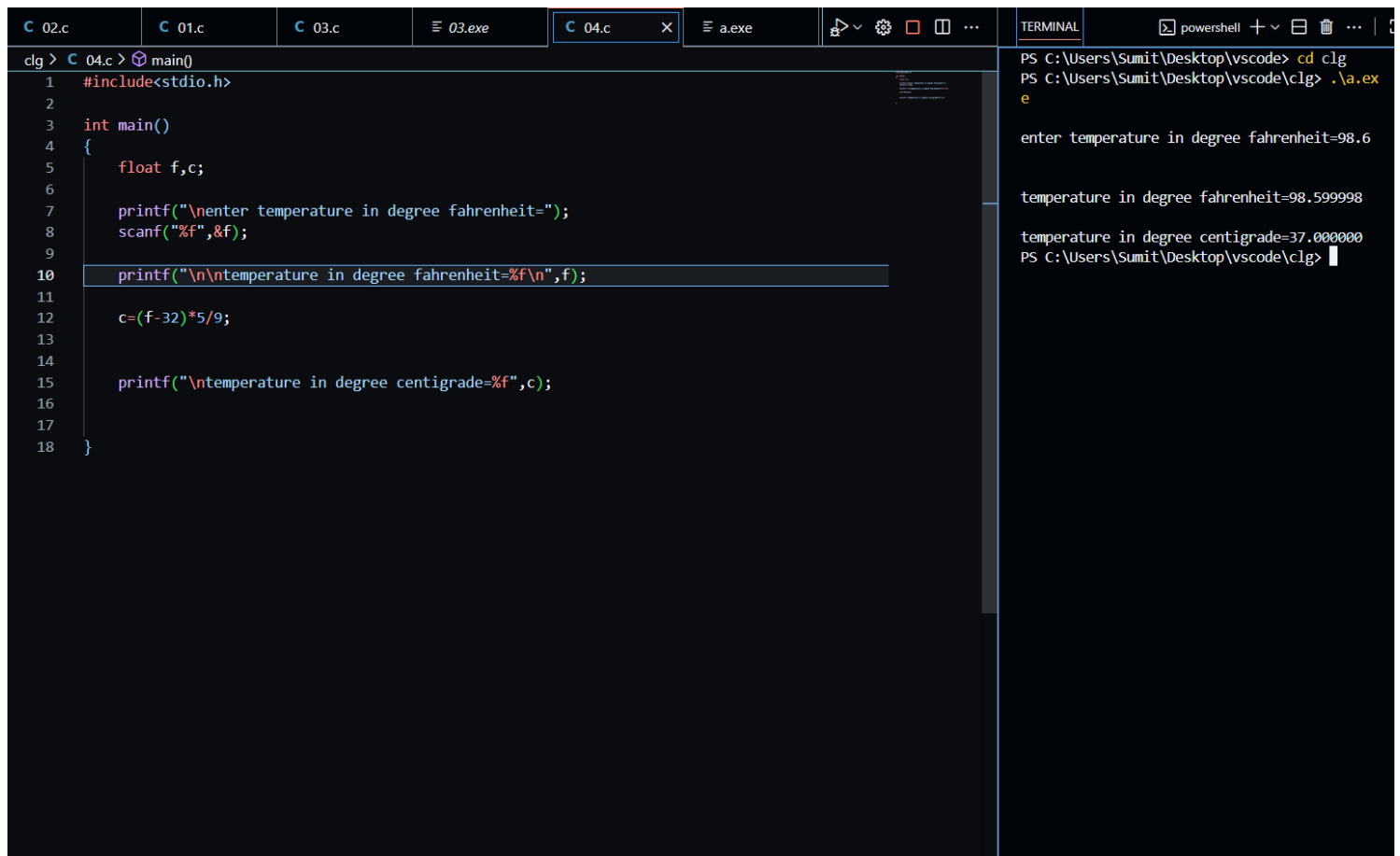
scanf("%f",&f);

printf("\n\ntemperature in degree fahrenheit=%f\n",f);

c=(f-32)*5/9;

printf("\ntemperature in degree centigrade=%f",c);

}
```



The screenshot displays the Visual Studio Code interface. The editor window shows a C program for converting Fahrenheit to Centigrade. The code is as follows:

```
1 #include<stdio.h>
2
3 int main()
4 {
5     float f,c;
6
7     printf("\nenter temperature in degree fahrenheit=");
8     scanf("%f",&f);
9
10    printf("\n\ntemperature in degree fahrenheit=%f\n",f);
11
12    c=(f-32)*5/9;
13
14    printf("\ntemperature in degree centigrade=%f",c);
15
16
17
18 }
```

The terminal window on the right shows the execution of the program. The user enters 98.6 for the Fahrenheit temperature. The program outputs the Fahrenheit temperature as 98.599998 and the Centigrade temperature as 37.000000.

```
PS C:\Users\Sumit\Desktop\vscode> cd clg
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
e
enter temperature in degree fahrenheit=98.6
temperature in degree fahrenheit=98.599998
temperature in degree centigrade=37.000000
PS C:\Users\Sumit\Desktop\vscode\clg>
```

