

S.No: 2	Exp. Name: <b>Write a C program to convert the temperature from Fahrenheit to Celsius</b>	Date:2023-01-03
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### **Aim:**

Write a program to convert the given temperature from `fahrenheit(F)` to `celsius(C)`.

During execution, the program should print the following message on the console:

Enter F :

For example, if the user gives the following as **input**:

Enter F : 32.45

Then the program should **print** the result as:

C = 0.250000

**Note:** Use the **printf()** function with a **newline** character (`\n`) at the end.

`celsius = (5 / 9) * (fahrenheit - 32)`

### **Source Code:**

Program306.c

```
#include<stdio.h>
int main()
{
    float F,C;
    printf("Enter F : ");
    scanf("%f",&F);
    C= (F-32.0)*(5.0/9.0);
    printf("C = %f\n",C);
    return 0;
}
```

**Execution Results** - All test cases have succeeded!

Test Case - 1
User Output
Enter F : 80.779
C = 27.099443