

S.No: 2	Exp. Name: Write a C program to convert the temperature from Fahrenheit to Celsius	Date:2022-12-31
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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.

$$\text{celsius} = (5 / 9) * (\text{fahrenheit} - 32)$$

Source Code:

Program306.c

```
// c program to convert celsius to fahrenheit and vice versa
// written by naveena
// taught by faculty
//date:-31/12/2022
//filename:- celtofah.c
#include<stdio.h>
int main()
{
    float f,c;
    printf("Enter F : ");
    scanf("%f",&f);
    c=(5.0/9.0)*(f-32);
    printf("C = %f\n",c);
}
```

Execution Results - All test cases have succeeded!

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