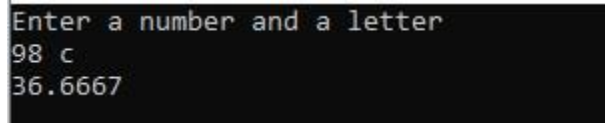


Write a C++ program that accepts a **number followed by a letter as shown in the figure**. If the **letter following the number is 'c'**, the program should take the number entered as a temperature in degrees Fahrenheit, convert the number to the equivalent degrees Celsius, and display a suitable message. If the **letter following the number is 'f'**, the program should take the number entered as a temperature in degrees Celsius, convert the number to the equivalent degrees Fahrenheit and display a suitable message. If the letter is neither f nor c, the program is to display a message that the data entered is incorrect. Use the following relationship.

$$\text{Celsius} = (5.0 / 9.0) \times (\text{Fahrenheit} - 32.0)$$

$$\text{Fahrenheit} = (9.0 / 5.0) \times \text{Celsius} + 32.0$$

Use switch statements for your program



```
Enter a number and a letter
98 c
36.6667
```

Hint: Take two inputs in parallel when considering '**number followed by a letter**'