

The display on the screen looks like this:

```

Temperature Converter by WeatherBug

A. Fahrenheit to Celsius
B. Celsius to Fahrenheit
Q. Quit

Please choose an option: B

Enter the temperature: 23
The temperature in degrees Fahrenheit is: 73.4

A. Fahrenheit to Celsius
B. Celsius to Fahrenheit
Q. Quit

Please choose an option: D

Please input a valid option.

A. Fahrenheit to Celsius
B. Celsius to Fahrenheit
Q. Quit

Please choose an option: Q
GoodBye.

```

Notes:

- We do not declare `char` variables with names like `A` or `B`. Those are values the `char` variable might have. Names like `option`, `menu`, `choice`, `AorB`, etc. are all much better.
- Using a `do-while` loop is great for a menu because it will always execute at least once.
- When testing if a `char` variable has a certain value, the value must be in single quotes.
- We cannot check if `option != 'A' || option != 'B'` because one of those cases will always be true.