Lab Exercise 1

Write a program that reads a Celsius degree in a double value from the console, then converts it to Fahrenheit and displays the result. The formula for the conversion is as follows:

fahrenheit = (9 / 5) * celsius + 32

Hint: In Java, 9 / 5 is 1, but 9.0 / 5 is 1.8.

Here is a sample run:

```
Enter a temperature in Celsius: 43 ↵
43.0 Celsius is 109.4 Fahrenheit
```

Lab Exercise 2

Write a program that reads the subtotal and the gratuity rate, then computes the gratuity and total. For example, if the user enters 10 for subtotal and 15% for gratuity rate, the program displays $1.5 as gratuity and $11.5 as total.

Here is a sample run:

```
Enter subtotal and gratuity rate: 10 15 ↵
The gratuity is $1.5 total is $11.5
```