Solution Review: Temperature Conversion
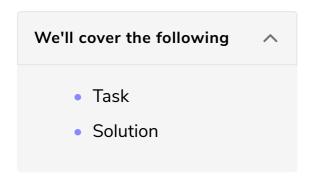
In the following lesson, we will go over the solution for the challenge: Temperature Conversion.

> **We'll cover the following** ∧
>
> - Task
> - Solution

Task

In this challenge, you were provided with a variable that stored the temperature in degrees Fahrenheit and you were asked to convert it to degrees Celsius.

Solution

The formula used for converting temperatures from degrees Fahrenheit to Celsius is:

```
(fahrenheit - 32) * (5D / 9D)
```

All you have to do is rewrite `celcius` and assign it the conversion formula above.

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

You can find the complete solution below:

> You were required to write the code on **line 2**.

This code requires the following environment variables to execute: ∧

LANG   C.UTF-8

```
val fahrenheit: Double = 50
val celsius = (fahrenheit - 32) * (5D / 9D)

// Driver Code
println(celsius)
```

This challenge was to teach you about operator precedence and how you should use it to write your program.

You also had to be careful of the data types of the numbers, as **5** / **9** results in a value of type `Double`, hence, **5** and **9** needed to be of type `Double` as well.

Let's wrap up this chapter with a quiz to test what you have learned so far.