Solution Review: Declaring a Variable
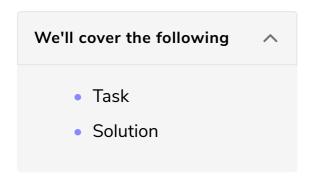
In the following lesson, we will go over the solution of the challenge: Declaring a Variable.

We'll cover the following ∧

- Task
- Solution

Task

In this challenge, you needed to declare an immutable variable of type `Int` and initially assign it a value of **100**. You then needed to print `myFirstVariable`.

Solution

Let's look at each component separately:

- **Immutable Variable** - When declaring a variable, we first need to specify if it is immutable or mutable. An immutable variable is declared using the `val` keyword.

- **Variable Name** - After specifying the type of variable, we need to give the variable a name. In our case, the name of the variable is `myFirstVariable`.

- **Data Type** - After giving the variable an identifier, we need to specify its data type which is done using `:`. In our case, we needed a variable of type `Int` hence, we would need to write `:Int`.

- **Assigning a Value** - For assigning an initial value to the variable, we insert a `=` after the data type, followed by the desired value to be assigned. In our case, that value was **100**.

```
val myFirstVariable: Int = 100
```

- Finally, use either the `print` or `println` method to print `myFirstVariable`.

```
print(myFirstVariable)
```

or

```
println(myFirstVariable)
```

You can find the complete solution below:

This code requires the following environment variables to execute:

LANG   C.UTF-8

```
val myFirstVariable: Int = 100

print(myFirstVariable)
```

In the next lesson, we will learn about type casting.