Solution Review: Write Your First Higher-Order Function

In the following lesson, we will go over the solution of the challenge: Write Your First Higher-Order Function.

We'll cover the following

Task

In this challenge, you had to create a function which prints the result of another function.

Solution

A skeleton of the function was already provided for you. Let's look it over.

```
def arithmeticPrinter(f: (Int , Int) => Int, x: Int, y: Int) = {

}
```

The function name is `arithmeticPrinter` and it has three parameters. The first parameter is another function `f` which has two parameters of its own and returns an integer. The second parameter is an integer `x` and the third parameter is an integer `y`.

You had to write a line of code which would print the result of `f` given that it was passed `x` and `y` as arguments.

```
print(f(x,y))
```

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

```
def arithmeticPrinter(f: (Int , Int) => Int, x: Int, y: Int) = {
  print(f(x,y))
}

// Driver Code
def add(a:Int, b: Int) = {
  a + b
}

arithmeticPrinter(add,4,9)
```

In the next lesson, we will learn about anonymous functions.