

iOS Foundations

Module 1 Lesson 6 Swift Basics Part 2

Activities



Activities

This exercise continues from the Swift Basics (Part 2) taught in lesson 6.

In this worksheet, you'll do 4 different exercises to practice writing functions.

Setup

We'll be doing these exercises in a Swift Playground.

Open Xcode and create a new playground
(File Menu->New->Playground).

From the list of Playground templates, just select "Blank"

Exercise 1: Basic Functions

(Solutions at the end)

Write a function called "goodMorning" that:

- Prints out "Good Morning" in the console window (use the print command to do this) when called.

Exercise 2: Function with Parameters

(Solutions at the end)

Write a function called "printTotalWithTax" that:

- Accepts a parameter called "subtotal" that is of data type Double.
- When this function is called, it will print out the subtotal multiplied by 1.13 in the console window.

Exercise 3: Function with Return Value

(Solutions at the end)

Write a function called “getTotalWithTax” that:

- Accepts a parameter called “subtotal” that is of data type Double.
- Returns a Double value.
- When this function is called, it will return the subtotal multiplied by 1.13 as the return value.
- Take the returned value from calling the function and print it out to the console.

Exercise 4: Function with Two Parameters and Return Value

(Solutions at the end)

Write a function called “calculateTotalWithTax” that:

- Accepts two parameters called “subtotal” (Double) and “tax” (Double).
- Returns a Double value.
- When called, it will return the subtotal multiplied by the tax as the return value.
- Take the returned value from calling the function and print it out to the console.

Solution

Please check the Teachable lesson page for the solution!