Weekly Homework I

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In previous lessons, I taught you a few building blocks of Swift.
Through our journey starting from variables, Daniel's understanding of Swift will be a more solid thing.

1 Exercise 1.1

We learned the variables and constants in the previous lessons. I suggest the following statements to you.

- What is difference between variables and constants?

- How declare variables and constants in Swift?

- Could return keyword exist in variable's value?

2 Exercise 1.2

I also taught you closures (anonymous functions) in Swift, which is used for calling it in other functions.

- What are closures?

- How declare closures in Swift? Write code the various forms for closure we learned in the previous lessons.

- How declare variables and constants in Swift?

- What is type in functions?

3 Exercise 1.3

In programming languages, concepts about control flow is very critical. Likewise, such concepts is well constructed in Swift. We already observed that both for and while loops as well as if statements are considerably similar to Python language.

- Iterate over an array is randomly defined using the for-in loop.

- Iterate over a dictionary is also randomly defined using the for-in loop.

- How could above both problems be converted to while loop? (Hint: use a count property defined in two data structures)