

# Functions and Scope

Pack and Re-use!

# What is a Function?

A function is a block of code which only runs when it is called.

You can pass data, known as parameters, into a function.

A function can return data as a result.



# How do we create a Function?

In Javascript, we use the  
“function” keyword to define a  
function

When you see parenthesis, think  
function.

```
function funcName() {  
  
}
```



# How do we call a function?

Functions run when they are called. How do we call a function? Well by name of Course!



# Function Arguments

You can “pass” data into a function. These things that you pass in are called arguments. You can pass in multiple arguments by separating them with a comma. However many arguments are in the function definition **MUST** be passed in when calling the function.



# Getting information back

When calling a function, we are usually passing in some data to be processed and looking to get some type of output. In order to use this output outside of the scope of the function, we must RETURN it from the function. Multiple values can be returned.



# Scope

<https://www.geeksforgeeks.org/namespaces-and-scope-in-python/>



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