FEWD - Functions

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Agenda

- Review
- Functions
- Anonymous Functions * Callbacks
- Weather Application

Review

Functions

A set of instructions that together perform a specific task.

Functions Syntax

The name of your function

```
function Keyword.
Like the “var” keyword.
```

```
function functionName(arg1, arg2) {
  //Body of function
}
```

Function Calls

```
function helloWorld() {
  console.log("Hello Functions");
}

helloWorld(); //Prints “Hello Functions to the
console.
```

The brackets execute the function. Try calling the function without them to see what happens.

Function Arguments

Arguments let you pass data into the function

```
function functionName(arg1, arg2) {
  //Body of function
}
```

The functions executed code goes between the { } brackets. Much like an “if” statement.

Function Arguments

```
function addAndPrint(num1, num2) {
  var sum = num1 + num2;
  console.log(sum);
}
```

```
addAndPrint(1, 2); // Result is 3

addAndPrint(8, 2); // Result is 10
```

Function return

We can tell functions to ***return*** a value back to the location it was called.

This allows us to continue using the results of a function after it has finished running.

Function return

```
function getCircleCircumference(r) {
var pi = 3.142;
return 2 * pi * r;
}

var radius = 3;
var circumference = getCircleCircumference(radius);
```

Cash Register

http://codepen.io/anon/pen/RpvLpB

Anonymous Functions

Anonymous Functions

Normal function declaration:

```
$("#someButton").click(handleClickFunction);

function handleClick() {
//Do some stuff
}
```

Anonymous function:

```
$("#someButton").click(function() {
//Do some stuff
});
```

Where would we use an anonymous function?

```
$(document).ready(function(){
// all our code goes in here
});
```

CODE ALONG

Anonymous Cash Register

Function Callbacks

Some functions allow us to pass another function as an argument that will be executed once th
original call has been completed.

Function Callbacks

```
$("#description").slideDown("slow", function() {


 $(".readMore").hide();
});
```

Temp Converter

Reading

- Arrays
- jQuery .each
- Recursive functions