
Lab Notes: Week 9

This week, and for future weeks, most of the lab sheets will be self contained, and will not require you to refer to additional notes. However, this week, I want to consider the role of web frameworks in the development of web applications.

Functions in JavaScript

In JavaScript, functions are first class objects. This means that they can be passed around like any other object. For example, we can assign a function to a variable:

```
1 const myFunction = function () {  
2   console.log("Hello World");  
3 };
```

We can also pass a function as an argument to another function, this is commonly referred to as a callback function:

```
1 const myFunction = function (callback) {  
2   callback();  
3 };  
4  
5 myFunction(function () {  
6   console.log("Hello World"); // will output hello world; however, this  
   is invoked by myFunction.  
7 });
```

Finally, we can shorten the above code by using an arrow function:

```
1 const myFunction = (callback) => {  
2   callback();  
3 };  
4  
5 myFunction(() => {  
6   console.log("Hello World"); // will output hello world; however, this  
   is invoked by myFunction.  
7 });
```