

Advanced Javascript Development

Lab Exercise 1

1. What is a closure and why are they useful?

2. What will the following code print out in the console?

```
function myNum(num) {  
    var printNum = function() { console.log(num+=1); }  
    return printNum;  
}  
  
say = myNum(0);  
say();  
say();  
say();
```

The code will print:

3. Explain the difference between declaring a variable in the following ways:

```
var foo = 1;  
foo = 2;
```

4. Explain what the Object.prototype vs Function.prototype is?

5. Using a function, compute the average of a set of 10 numbers.

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