

Strands Code Test

1. Can you create a closure that increments itself by 1 every time it's called?
2. What would be the Output? Please briefly explain the result.

```
function sampleFunction() {  
  var arr = [];  
  
  for (var i = 0; i < 3; i++) {  
    arr.push(  
      function() {  
        console.log(i);  
      }  
    )  
  }  
  return arr;  
}
```

```
var sf = sampleFunction();
```

```
sf[0](); // Output: ???
```

```
sf[1](); // Output: ???
```

```
sf[2](); // Output: ???
```

3. Can you explain Promises and give me an example?
4. Create a code that can calculate :

```
console.log(mul(2)(3)(4)); // output : 24
```

5. What will appear in the console and why?

```
var names = ["John","Paula","Laura","Ryan","Charly"];  
delete names[3];  
  
console.log(names.length);
```

6. What will be the result of the “typeof”? Please briefly explain the result.

```
// NFE (Named Function Expression)
var foo = function bar(){ return 12; };
typeof bar();
```

7. How can you calculate the length of this associative array / hash table?

```
var counterArray = { A: 3, B: 4 };
counterArray["C"] = 1;
```