Closure

1. Use closure to keep track of how many times button was clicked, do not use global variables

```javascript
function init() {
    document.querySelector('button').onclick = function(){
        console.log('count');
    }
}
```

2. Write the function multBY

```javascript
var multBy4 = multBy(4)
multBy4(2); // Should print 8
```

3. What will be the output of the following code, fix it to work as expected

```javascript
for (var i = 0; i < 5; i++) {
   setTimeout(function() { console.log(i); }, i * 1000 );
}
```

4. Bonus: Write a mul function which will produce the following outputs when invoked:

```javascript
console.log(mul(2)(3)(4)); // output : 24
console.log(mul(4)(3)(4)); // output : 48
```