Assignment Week 8 Day 4

Solve the following exercises

1. Create a countdown iterator that counts from 9 to 1. Use generator functions!

2. Determine the values logged to the console without running the code. Instead of just writing down the values, formulate your thought process and explain to yourself how the code runs line by line.

Hint: Understand how throwing an error works. That will improve your thought process.

```javascript
let errorGenerator = function *() {
    yield 1;
    throw 'Error yielding the next result';
    yield 2;
}

let it = errorGenerator();

// Execute one statement at a time to avoid
// skipping lines after the first thrown error.

console.log( it.next() );
console.log( it.next() );
console.log( [...errorDemo()] );
for ( let element of errorDemo() ) {
    console.log( element );
}
```

3. Create an infinite sequence that generates the next value of the Fibonacci sequence, using generators.

A fibonacci sequence is a set of numbers where the succeeding number is the sum of its previous 2 numbers.

0, 1, 1, 2, 3, 5, 8

Here the 4th term 2 occurred by the sum of 2nd and 3rd numbers 1 and 1.

Hope I made sense.