Phase-4 Practice Project: Assisted Practice

3.IIFEs, Callbacks, and Closures.

Index.html:

```html
<html>
    <body>
        <h1>MEAN Stack</h1>
        <p> Lesson 3 Demos </p>

        <script src="IIFEs_Callbacks_Closures.js"></script>


    </body>
</html>
```

IIFEs_Callbacks_Closures.js :


```js
//IIFE and Closure
const empId = (function() {
    let count = 0;
    return function() {
      ++count;
      return `emp${count}`;
    };
  })();

  console.log("New Emplyee IDs are listed here");
  console.log("Alex: "+empId());
  console.log("Dexter: "+empId());
  console.log("Annie: "+empId());


  //Callbacks
  console.log("\n"); //to start the output from the neext line
  function fullName(firstName, lastName, callback){
    console.log("My name is " + firstName + " " + lastName);
    callback(lastName);
  }
```

```javascript
var greeting = function(ln){
  console.log('Welcome ' + ln);
};


fullName("Alex", "Wilson", greeting);
console.log("\n");
fullName("Dexter", "Johnson", greeting);
console.log("\n");
fullName("Annie", "Butler", greeting);
```

Output: