

3)

a)callbacks.html

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

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

  </body>
</html>
```

b)closures.js

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

console.log("New Employee IDs are listed here");
console.log("karamsetty: "+empId());
console.log("maneesh: "+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);
}

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

fullName("karamsetty", "maneesh", greeting);
console.log("\n");
fullName("maneesh", "karamsetty", greeting);
console.log("\n");
fullName("Annie", "Butler", greeting);
```

