

SOUREC CODE

03.IIFE-callback-closures.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script src="IIFE.js"></script>
  <script src="callback.js"></script>
  <script src="closures.js"></script>
</head>

<body>
  <h4>IIFE , CALLBACK AND CLOSURES DEMO</h4>
</body>

</html>
```

IIFE.js

```
console.log("IIFE DEMO");

//executed only once
(function f1(username){

  // gen some temp password
  // ....

  // access some network resources.
  ///

  console.log("Password set successfully...!!")

})();
```

callback.js

```
console.log("CALLBACK DEMO");

function greeting(n) {
    return "Hello " + n;
}

function mainFunction(name, greeting) {
    // do something here
    return greeting(name);
}

//passing function as argument
console.log(mainFunction("Eva", greeting));

function englishGreeting(nm){
    return "Hello " + nm;
}

function frenchGreeting(nm){
    return "Bonjour " + nm;
}

//name : String
// g : function
function greeting1(name, g){
    // do something here
    return g(name);
}

console.log(greeting1("Dia", frenchGreeting));
console.log(greeting("Dia", englishGreeting));
```

closures.js

```
console.log("CLOSURE DEMO");

function incrCounter() {

    let counter = 10;
```

```
    return function INCREMENT_COUNTER() { return ++counter; };  
  
};
```

```
let f1 = incrCounter();  
console.log("INITIAL COUNT = "+f1());  
console.log("COUNT UPDATED = "+f1());  
console.log("COUNT UPDATED = "+f1());  
console.log("COUNT UPDATED = "+f1());  
console.log("COUNT UPDATED = "+f1());
```