**Callback :**

you can pass the callback fuction as argument to another function.

**Execution:** the function receiving the callback will execute the callback at some point during its executions(often at the end or often an asynchronous operation is done)

**Ex:1**

<script>

        function mainFunction(callback){

            console.log("Executing main function")

            callback()

        }

        function callbackFunction(){

            console.log("Executing callback function")

        }

        mainFunction(callbackFunction)

    </script>

**Explanation:**

mainFunction takes a callback as parameter **callbackFunction** is passed to mainFunction inside the mainFunction , the callfunction function is called with callback()

**Ex:2**

**Passing a named function as a callback**

 <script>

        function greet(name,callback){

            console.log("Hello, " + name)

            callback();

        }

        function goodbye(){

            console.log("Goodbye!")

        }

        greet("rb",goodbye)

    </script>

**Ex:3**

**Using an anonymous function as callback:**

 <script>

        function greet(name,callback){

            console.log("Hello, " + name)

            callback();

        }

        greet("rb", function() {

            console.log("Goodbye!");

            });

    </script>

**Explanation:**

We didn’t pass a named function like goodbye;

Instead of that we define an anonymous function directly within in the function call

**Ex:4**

**Asynchronous callback with setTimeout;**

    <script>

        function fetchData(callback) {

            console.log("Fetching data...");

            setTimeout(function () {

                console.log("Data fetched...");

                callback();

            }, 2000);

        }

        function processData() {

            console.log("Processing data...");

        }

        fetchData(processData);

    </script>