

JavaScript Class - Day 2: Callbacks & Timing Functions

1. Callback Function:

A callback is a function passed into another function as an argument.

Example:

```
function greet(name, callback) {  
  console.log("Hi", name);  
  callback();  
}
```

```
function callMe() {  
  console.log("I'm a callback function");  
}
```

```
greet("Aaduu", callMe);
```

2. setTimeout (delay):

Used to delay the execution of code.

Example:

```
console.log("Start");  
  
setTimeout(function () {  
  console.log("After 2 seconds");  
}, 2000);  
  
console.log("End");
```

3. setInterval (repeat every X ms):

Used to repeat code execution at specified intervals.

Example:

```
let count = 0;

let timer = setInterval(() => {
  console.log("Count:", count);
  count++;
  if (count === 5) {
    clearInterval(timer);
  }
}, 1000);
```

Day 2 Tasks:

1. Use setTimeout to print a message after 3 seconds.
2. Use setInterval to print numbers 1 to 5, one per second.
3. Create a function doTask(taskName, callback) that prints taskName, then calls callback.

Example:

```
function doTask(taskName, callback) {
  console.log("Doing task: " + taskName);
  callback();
}
```

```
doTask("Coding", function () {
```

```
console.log("Task complete!");
```

```
});
```