

Assignment No	8
Title	Demonstration of callback function
Objective	A) Program to use callback function for Asynchronous file read B) Program using setTimeout to demonstrate callback function
Roll No	MCA2511

CODE & OUTPUT:

callback.js

```
var fs = require("fs")
fs.readFile('input.txt', function(ferr, data)
{
    if (ferr) return console.error(ferr);
    console.log(data.toString());
    console.log("End of Read");
}
);

console.log("reading File!");
// Executed before the file is read as reading
// is happening asynchronously
x=5;
y=123;
console.log("Sum: " + (x+y));
```

OUTPUT:

```
A:\MCA2511\WEB_LAB\node.js>node callback.js
reading File!
Sum: 128
HI
End of Read

A:\MCA2511\WEB_LAB\node.js>
```

callback2.js

```
var calculate = function(x,y,display)
{
    let sum = x+y;
    setTimeout(function(){display(sum);},20000);

    //will execute after 20 seconds.
    console.log("Leaving....");
    //function call leaves this block.
}

calculate(5,10,function(res)
{
    console.log("Sum: "+res);
    console.log("Program Ends");
})
);
```

OUTPUT:

```
A:\MCA2511\WEB_LAB\node.js>node callback2.js
Leaving....
Sum: 15
Program Ends
```