Section-5

Asynchronous JavaScript

In This module the first part and the main focus is on the call back hell and in this I have implemented 3 callback functions one inside the other.

From the first function I am reading the data variable using fileRead.

From the Second Function I am calling the api request using Superagent (As superagent is good for calling api).

From the Third Function I am saving data in the new file using fileWrite Function.

And in the second Section I am implementing Promises as promises are used to implement future values.

In the beginning it’s called the pending promise and when the promise get resolved it’s called the resolved promise.

The **await** and **aync** operators are used in Javascript to allow asynchronous, Promise-based behavior. The await operator can only be used in an async function within regular JavaScript code; however, it can be used on its own with JavaScript modules.

Promise-based asynchronous programs simply await the function that returns the Promise. However, the function async needs to be declared before awaiting a function returning a Promise.

The await expression causes the async function to wait for the resolution of Promise before resuming the execution of the program. This promise can either be resolved or rejected, and then the value is returned to the await expression.