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# Basic Program

## Index.js

const fs = require("fs");

// console.log(fs);

// console.log(fs.readFileSync);

fs.readFile("./lecture.txt", "utf8", (err, data) => {

if (err) {

console.log(err);

} else {

console.log(data);

}

});

fs.readFile("./db.json", "utf8", (err, data) => {

if (err) {

console.log(err);

} else {

console.log(data);

}

});

//file system provide multiple functionality

// ex: read: [Function: read],

//writeFile: [Function: writeFile],

// writeFileSync: [Function: writeFileSync],

// without utf8 output is in ASCII value

// node index.js

// <Buffer 22 54 68 69 73 20 69 73 20 6d 74 20 46 69 72 73 74 20 42 45 20 50 72 6f 6a 65 63 74 22>

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//utf8 covert ASCII value into text

//ASCII stands for American Standard Code for Information Interchange. Below is the ASCII character table, including descriptions of the first 32 characters.

// node index.js

// "This is mt First BE Project"

## db.json

[

{

"id": 1,

"title": "Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops",

"price": 109.95,

"description": "Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday",

"category": "men's clothing",

"image": "https://fakestoreapi.com/img/81fPKd-2AYL.\_AC\_SL1500\_.jpg",

"rating": {

"rate": 3.9,

"count": 120

}

}]

## lecture.txt

Nupur Jariwala

Nupur Nayan Jariwala

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## Orderofex.js

//Asyncronus output

// const fs = require("fs");

// console.log(1); //1st

// fs.readFile("./db.json", "utf8", (err, data) => {

// if (err) {

// console.log(err);

// } else {

// console.log(data);

// }

// }); //3rd

// console.log(2); //2nd

//syncronus output

const fs = require("fs");

console.log(1); //1st

let res = fs.readFileSync("./db.json", "utf8");

console.log(res); //2nd

console.log(2); //3rd

// callback function is required in ayncronus

// not required in syncronus

npm init or npm init-y command for package.json

## Package.json

“type”:”module” for ESM code

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## Writedata.js

import fs from "fs";

// fs.writeFile("./lecture.txt", "Hello Nupur Here...", (err) => {

// if (err) throw err;

// });

// callback function is required in ayncronus

// not required in syncronus

//For Syncronus

try {

fs.writeFileSync("./lecture.txt", "Nupur Jariwala");

} catch (error) {

console.log(error);

}

## Appendfile.js

const fs = require("fs");

fs.appendFile("./lecture.txt", "\n Nupur Nayan Jariwala", (err) => {

if (err) throw err;

});