

Node.js notes

1] child process

```
let cp= require("child_process")
console.log("trying to open calculator")
cp-cp.execSync("code"); //opens vs code
cp-cp.execSync("calc"); //opens calculator
cp.execSync("start chrome https://www.youtube.com/") //chrome website mentioned is opened
console.log("opened calculator "); //use windowkey+ .(dot) to get emoji
let output=cp.execSync("node abc.js")
console.log("output 🐼"+ output); //concatenate
```

2] os feature

```
//os feature
let os= require("os");
console.log(os.arch()); //x64 bit return
console.log(os.platform()); //win32 or darwin(mac)
console.log(os.networkInterfaces()); //info about wifi
console.log(os.cpus); //info abt load on server
```

3] Read file

```
//fileSystem
//files=>create,read,update,delete

let fs = require("fs"); //import module

//read
let buffer=fs.readFileSync("abc.js"); //it will bring content from file in form of binary buffer
console.log("bin data"+ buffer); //concatenation changes binary buffer to string
```

4] write and append file

```
//create
fs.openSync("abc.txt","w"); //opens new file acc to specified method and mode
//no file -> create or if file exists, it replaces content
fs.writeFileSync("abc.txt"," I'm so nice ");
fs.appendFileSync("abc.txt","I know right?");//adds content at last
```

5] Folders

→ create

```
fs.mkdirSync("mydirectory");
fs.writeFileSync("mydirectory/myfile.txt","Am I not adorable?");
//makes the file mentioned then adds the content in it mentioned
```

→Read

```
let content=fs.readdirSync("mydirectory"); //reads all the files of directory
and returns its name as arrays
console.log(content);//array
```

→deletion file and folder(directory)

```
for(let i=0;i<content.length;i++)
{
  console.log("content at"+content[i]+"is removed");
  fs.unlinkSync("mydirectory/"+content[i]);
  //deletes files
}
//remove folder
fs.rmdirSync("mydirectory");
```

6] existence of file

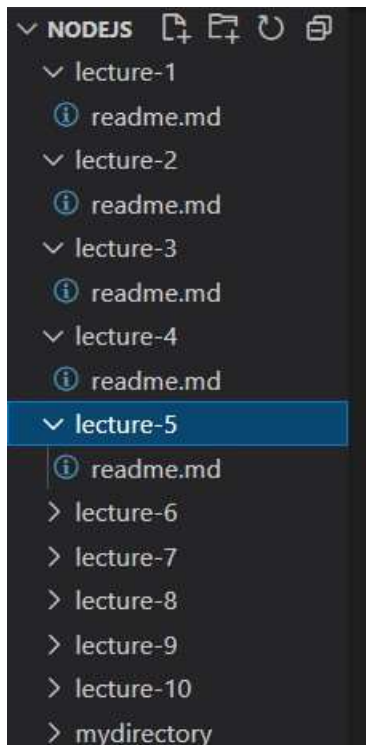
```
//fs.existsSync --> if a file exist at a path ->true/false
let doespathexist = fs.existsSync("abc.txt");
console.log(doespathexist);
doespathexist = fs.existsSync("abcd.txt");
console.log(doespathexist);
```

7] lstat sync tells of a it's a file or directory

```
// fs.lstatSync -> tells of its a file or directory(folder nahi bolte)
let detailsobj= fs.lstatSync( __dirname + "\\os.js");
let ans=detailsobj.isDirectory();
console.log(ans);
ans=detailsobj.isFile();
console.log(ans);
```

8]create many files and folder

```
for(let i=1;i<=10;i++)
{
  let dirpathtomake='lecture-'+i;
  fs.mkdirSync(dirpathtomake);
  fs.writeFileSync(dirpathtomake+"\\"+"readme.md",' # readme for '+i );
}
```



9] making it path independent

```
let path= require("path");
for(let i=1;i<=10;i++)
{
    let dirpathtomake = 'Lecture-'+i;
    fs.mkdirSync(dirpathtomake);
    fs.writeFileSync(path.join(dirpathtomake+"readme.md"),'# readme for'+i);
}
```

10] writing in style

```
let chalk = require("chalk"); //for color
let figlet= require("figlet"); //for big size
/* console.log(chalk.blue('helloooooo'));
console.log(chalk.red('hellooo */
console.log(chalk.red(figlet.textSync("VANSHIKA ")));
```