

File System Organiser with Node.js

Overview

Target a folder \rightarrow cluttered \rightarrow declutter

We're writing a script. \rightarrow target files wrt. the extensions of the file.
inside the targeted folder.
in different folders...

MODULE:

path, file system...

eg. mp3 \rightarrow goes to ./music
zip \rightarrow ./archives
mp4 \rightarrow ./movies etc

NOTE: ** basically matching folders with
file extⁿ(s). ✓

This project is a CLI project. "file system organiser"

CLI: "Command Line Interface".

* Talking input in Command Line @ JavaScript!

```
JS FO.js U X
4_File System Organizer > JS FO.js > [e] input
1 let input = process.argv[2]
2
3 console.log(input)
4
5
```

0 node 1 fo.js 2 main.js

input in JS goes in form of arrays

process.argv → argument value ... / vector ... array which returns all cmds written @ Command Line.

Use Case:~

```
fo.js
lecture-011 > file-system-organiser > JS fo.js > ...

20
21 switch (command) {
22   case "tree":
23     console.log("Tree Implemented");
24     break;
25   case "organise":
26     console.log("Organise Implemented");
27     break;
28   case "help":
29     console.log("Help Implemented");
30     break;
31   default:
32     console.log("Invalid input");

```

input = process.argv[2];
command = input;

Tree Implemented
22:29:47
~/D/g/pepcoding-webdev on main • node lecture-011/file-system-organiser/fo.js organise
22:29:53
Organise Implemented
~/D/g/pepcoding-webdev on main • node lecture-011/file-system-organiser/fo.js help
22:30:01
Help Implemented
~/D/g/pepcoding-webdev on main • node lecture-011/file-system-organiser/fo.js Milind
22:30:06
Invalid input
~/D/g/pepcoding-webdev on main •

WOAH,
ran @ CLI!!

Project Overview:~

```
1 // We will be creating a File System Organizer//  
2 //Features of the Project -  
3 //If you have numerous Files in a folder and they are not Properly arranged  
4 //So you can use this tool to arrange them in specific directory according to their extension  
5 // like text files will go into text File Folder .exe files will go into application folder and  
6 // so at the end you will have a arranged set of files in specific folders
```

to take input after `tree <folder_name>`

```
let inputArr = process.argv.slice(2);  
console.log(inputArr)
```

node fs tree folder
= ignored ✓ ran

SLICE explained :-

//js mein input Array ke from mein jaata hai and that is array is process.argv Array

```
let inputArr = process.argv.slice(2);
```

//[Node FO.js tree folderpath]

```
let command = inputArr[0]
```

[tree, folderpath]

+

CodeFileEditSelectionViewGoRunTerminalWindowHelp

fo.js — pepcoding-webdev

fo.js

lecture-011 > file-system-organiser > fo.js > helpfn

33 }
34
35 function helpfn() {
36 // List out all the commands in the helper function
37 console.log(`
38 List of all the commands for use in this program:
39
40 1) tree : To display the directory structure of the current directory
41
42 node fo.js tree <path>
43
44 2) organise : To organise the files in the current directory
45
46 node fo.js organise <path>
47
48 3) help : To display the list of all the commands
49
50 node fo.js help
51 `);
52 }
53

helpfn f. implementation!

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

fish

~/D/g/pepcoding-webdev on main • node lecture-011/file-system-organiser/fo.js help
22:58:35

List of all the commands for use in this program:

1) tree : To display the directory structure of the current directory
node fo.js tree <path>

2) organise : To organise the files in the current directory
node fo.js organise <path>

3) help : To display the list of all the commands
node fo.js help

~/D/g/pepcoding-webdev on main •

22:59:06