The Unix Command Line

Select the directory you want to upload.

* To create a folder in command line –> mkdir(make directory) Music(folder name).
* To back from the folder –> /cd ..
* To quickly open the terminal in the vs code use –> ctrl `
* If to enter the root directory --> cd ~
* To clear the full terminal use --> clear
* To create a new file in a folder use --> for example we have to create a text file --- (touch Text2.txt).
* To directly open the file in the use 🡪> open image.txt
* To delete files in the folder use 🡪 rm filename.rtf
* To delete all files in the folder at once use 🡪 (rm \*)

# Link for the more command line keyewords <https://www.learnenough.com/command-line-tutorial>

Node.JS

Node provides a JS runtime environment on any computer. It is not a framework. By the help of Node.js we can run our JS file.

It allows us to create our website back-end.

* To check version of node.js – node -v
* To run command written in the JS file using the Node.js we first enter in the directory using the cd.

Node Module-

<https://nodejs.org/docs/latest-v18.x/api/index.html>

* In the 2.2 Native module folder we created a JS folder in which we write a command in Node.js for creating a file and Also the message we write in the message.txt file in the same folder.
* To run the command written in the JS file we first enter into the file directory and write the -- node filename into the terminal.

Example—node index.js

**npm(Node Package manager)**

* Open the folder directory in the terminal and type –> (npm init -y)command.

It will initialise command for making of the package.json file.

To install Packages of npm - <https://www.npmjs.com/>

* To install npm package in the folder/directory – npm install package\_name
* Then from the documentation write the code EX- 2.3+NPM-folder name.
* Require function is used in the commonJS(CJS)
* import function is used in the ECMAScript(EJS), It provides the same functionality as the commonJS function.
* import xxx from 'superheroes'; --- The string name should be same as the name in the package.json file. Ex- superheroes

**Express.js with Node.js**

Express.js is a framework of JS. It allows us to create our website back-end.

Creating an Express server

* Create Directory
* Create index.js file
* Initialise NPM using (npm init -y).
* Install the express package using (npm I express)
* Write Server application in index.js
* Start server.

Then change the “type” in the package.json file to module

Using “type”:”module”.

* We **can not run** our local server just by node index.js file , by this we can only check that our file is executed successfully or not.
* netstat -ano |findstr "LISTENING". By using this command we can find which ports(server) are open in our computer at that time.
* ***We can clear our output terminal that is generated after the server request by – (ctrl + c).***

HTTP requests

* When we make these http request , there are five main words come –

These are:-

* GET – (send request of taking getting resource to the server)
* POST – (Server sending resource )
* PUT –(Replace resource)
* PATCH – (Patch up a resource means for example we can replace the resource just by ourself).
* DELETE –(Delete resource ).