

Node is based on javascript and it super fast. Twitter,eBay,uber,netflix also uses node js.

Node js will allow javascript code to **break free the browser and interact directly with our computer and hardware**. This allows us to **make desktop applications which are independent from the browser**.

Also node js can execute javascript code on server. So our browser will make request on server and server will give us the data back. So all execution happens behind the scene on the server.

After installing node in **windows powershell** (These commands will not work in command line since they are linux based, so have to open windows powershell)

node --version : To check the version of node

pwd : to print the working directory

cd : to change the directory

ls :- to list everything

mkdir :- To make a directory

touch :- To make a file (have to install touch using npm for this command to run)

node filename.extension :- To run file in windows powershell, Ex:- **node index.js**

REPL: - Read Evaluation Print Loop

It allows us to write code like console in the browser in chrome developer tools.

Just write node and you can access REPL. To exit write .exit or hit ctrl+c twice.

We can use internal modules of node. Ex **File System**

const fs = require("fs");

To copy one file = **fs.copyFileSync("1.txt", "2.txt");**

We can use external modules too using npm which is a package manager for external modules.

npm :- Node Package Manager

Packages on npm are reusable code that somebody else wrote and we can add that into our project.

To add external packages, go into the working directory, hit command - **npm init** -

it will create **package.json** file

now to add external package, hit command - **npm install packageName** (it will download so requires internet)

EX: - **npm install superheroes** - it will add superheroes module to the project

Now in js file-

var sh = require("superheroes");

sh.random(); - It will generate random superhero name