**NODE.JS**

**KEYPOINTS**

**Node js**

**node fundamentals**

**express.js**

**MongoDb , Mongoose**

**apps**

**deployment**

1. NODE.JS??

* Environment to run JS outside browser created in 2009
* Built on Chrome’s V8 engine(a tools that compiles code into machine code)
* Big Community
* Full-Stack(easy to build frontend and backend)

1. Requirements?

* HTML, CSS , Js, ES6
* Calbbacks, Promises, Asyn-await
* Youtube- coding addict
* Playlist- JS nuggets

1. Overview..

* Intro
* Install
* Node fundamentals
* Express Tutorial
* Building apps

1. Difference B/w Node.js and browser?

|  |  |
| --- | --- |
| **Browser**   * DOM * Window * Interactive apps * NO File system * Fragmentation * ES6 Modules | **Node.js**   * NO DOM * No Window * Server-side * File system * Versions * CommonJs |

1. Concept of global?

GLOBALS – NO WINDOW!!!!

* \_dirname – path to current directory
* \_\_filename - file name
* Require – function to use modules(Common JS)
* Module – info about current module(file)
* Process - info about new env where the program is being executed

In vanilla we get window objects but in node there is no window objects.

Module are encapsulate code (that share minimum)

CommonJS, every file is module(by default)

1. If we make a function and invoke it is in same file and later use it by **require** in another node file then the function will automatically be xecuted.
2. Node.JS nuilt in modules:-
   1. OS
   2. PATH
   3. FS
   4. HTTP