Document for Node JS & Express JS

Node Install Process:

1. **Install NPM:** npm is a package manager for the JavaScript programming language maintained by npm, Inc. npm is the default package manager for the JavaScript runtime environment Node.js. It consists of a command line client, also called npm, and an online database of public and paid-for private packages, called the npm registry

**install npm**

1. **Install Node**(Download & install from LTS version of Node.js): Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on a JavaScript Engine and executes JavaScript code outside a web browser, which was designed to build scalable network applications.

https://nodejs.org/en/download/

1. **Get Current version**

node -v

1. **Get current version of NPM**

npm --v

1. **Create Project by using terminal/command** 
   1. Create Folder/Directory

**mkdir NodeProject**

* 1. Go in to Project Directory

**cd NodeProject**

* 1. Init Folder as Node Project

**npm init**

* 1. After that Some Information most to provided
     1. package name
     2. version
     3. description
     4. entry point
     5. test command
     6. git repository
     7. keywords
     8. author: Abhishek
     9. license: (ISC)
  2. **Crete Entry pint (index.html) file & Write / Create server in** index.html file

**https://nodejs.dev/en/learn/introduction-to-nodejs/**

* 1. **Start NPM/Server(If not started)**

**npm start**

* 1. **Run Belo commend to check your server(index.html file your entry point)**

**node index.js**

1. **NodeMon**: nodemon is a tool that helps develop Node.js based applications by automatically restarting the node application when file changes in the directory are detected.
   1. **Install:** **npm install -g nodemon** #using yarn: yarn global add nodemon
   2. Add NodeMon to your Project: **nodemon [your node app]** like: NodeMon Project/fileName
   3. Add dependency in Package.json file as Developer

"devDependencies": {

"nodemon": “^2.0.20"

},

* 1. Watch file content changes by below

**nodemon index.js**

* 1. **Install/Add new Package in Node**

**npm install <Module Name>**

**npm install express**

* 1. **UnInstall Package from node**

**npm uninstall express**

* 1. **Update the Module/Package in Node**

**npm update express**

* 1. **Search Module/Package**

**npm search express**

1. dsv

Express JS

POC Done For NODE

1. Server Creation
2. URL Handling
3. Response Handling like(HTML, Text, JSON)
4. Event (Event Emitter) Creating
5. File Handing
6. Own Module
7. Mailer
8. DB