

- ★ Node.js is a very powerful JavaScript based platform built by Google on Google Chrome's V8 JavaScript Engine. It is used to develop I/O intensive web applications like video streaming sites, single-page applications & other web applications.
- It is open source
 - Completely free

- ★ ~~two~~ Where to use node.js
- I/O bound application
 - Data streaming application
 - Data Intensive Real-time Application
 - JSON API's based application
 - Single Page appⁿ

★ npm - it is a package manager for our code

module - module is a reusable code package - package is set of ~~reusable~~ ~~package~~ modules

package.json - contains meta data

★ Npm comes bundled with node.js
to check command
`npm --version`

★ To update latest version
`npm install npm -g`

★ Installing modules ~~is~~ Locally

`npm install <module Name>`
eg- `npm install moment`

★ Installing module Globally

`npm install <module name> -g`
eg. `npm install nodemon -g`

★ To check all modules installed globally

`npm ls -g`

★ To check all modules installed locally

`npm list`

* Attribute of package.json

- name - name of package
- version - version of package
- description - description of package
- homepage - home page of package
- author - author of package
- contributor - contributor to package
- dependencies - list of dependencies, NPM automatically install all dependencies
- repository - repository type & url
- main - Entry point of package
- keyword - Keywords

* Uninstalling a Module

• npm uninstall express

* updating a module -

npm update express

* npm search express - to Search Module

- // Function Statements //

```
function sayHi() {  
  console.log("HI");  
}
```

sayHi()

--- // Function Expression ---

```
var sayHi = function () {  
  console.log("Hi");  
}
```

sayHi()