**Node Js**

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**Introduction**

1. Node js is not a programing language and not a framework and not a library
2. It is a runtime environment used for executing JavaScript code on server side
3. By using this node js, we can develop / build backend services like APIs
4. We can use this APIs with mobile apps and web applications

**Features of Node Js**

1. Node js is for developing a highly scalable, data intensive and real time apps
2. Special features in node js
   1. To use this node js, no need of strongest environment setup
   2. Node is easy to get started. No need of other software’s to run this node js
   3. No need of bigger kind of environmental setup
   4. It is super-fast and highly scalable service
   5. It has a larger eco system of ­­open-source libs. We can develop highly scalable and less weight applications
   6. Javascript everywhere. We can have javascript, where ever we do programming or developing an application. No need-to-know other programming languages

**Node Js Work flow**

1. Node js is an asynchronous by its nature. Asynchronous means it is a non-blocking kind of operations
2. It will take the multiple requests from the multiple users and at the same time and it can handle the response for multiple / all requests. It can handle multiple requests at the same time and it can give response to multiple requests at the same time
3. It will not wait for other process to complete
4. There is no kind of processing one request after completing the other

**Things to work on**

1. ­­HTTP module
2. File system module
3. URL module
4. Node js NPM
5. Node js Email

**Node Js Installation**

1. From website download node js with LTS
   1. <nodejs.org/en>
2. Run the exe file to complete the installation
3. After installation, we can check the version as below
   1. Open command prompt 🡪 Enter command 🡪 node –version

**Best editor to work with node Js**

1. Visual studio code editor

**Hello world program**

1. By using HTTP module, we can able to create a server and we can render the content whatever we want