

Node.Js

❖ What is Node.js?

- It is Cross-platform.
- Open-Source JavaScript Runtime Environment.
- It's built on Chrome's V8 JavaScript engine.
- Make Full-Stack Application with one Language.

❖ What is Server?

- Provides Resource, Data, Services or Programs to other Computer.

❖ What is Cross-platform?

- Built one Application and that's run on multiple operating system like Windows, macOS and Linux etc.

❖ What is Server-Side Scripting?

- A JavaScript code of Back-end.

❖ Alternatives to Node.js

- PHP
- Java
- Ruby
- Python

❖ REPL (Read-Eval-Print Loop)

- Read input from users.
- Evaluate data-structure.
- Print final output.
- Repeats the above commands until the user exits.

❖ Global Objects in Node.js ?

- `__filename`
- `__dirname`

❖ .Node.js Modules:

1. Core Modules : built into node.js, not require installation.

- Example of core:

`http`

`fs`

`path`

`querystring`

`url`

`local modules`

2. Local Modules : use `require` to import and use the module's properties.

3. Third-Party Modules : these modules are available via npm (Node Package Manager) install .