## -> Node JS <--

## \* Node Is: -

Node Is is not a programming language. It is a vuntime environment which runs the code of the Javasvift with the help of 18 engine.

Modejs is an open source and cross platform runtime environment that allows us to us javasvupt to develop seewer side applications.

Every uveb browser have a javasvupt engine that takes javasvupt code and compiles it to machine code. Four example -

Filrefox uses Spider Monkey and Google chrome uses V8 engine.

Be cause borouseus use different Javascrupt engine, sometimes, you will see that Javascript behaves differently between the borouseus.

In 2009, Ryan Dahil, the creator of Mode is, took the VI engine and embedded it in an application that could execute Javasuipt on the server,

- · Node is is single threaded. It means that each process has only one thread of execution.
- Non-blocking means that use can make a sequest while doing something else and then, when this ocequest is finished a callback will execute to handle the result.
- Asynchronous programming is a key feature of Mode Is.

  Node Is provides several mechanisms for handling asynchronous code, including callbacks, promises, and async fawait.