Node Js — Js on Server (Lec-3)

Server?

Machines which receives a request
& responds to it.

Request →

← Response
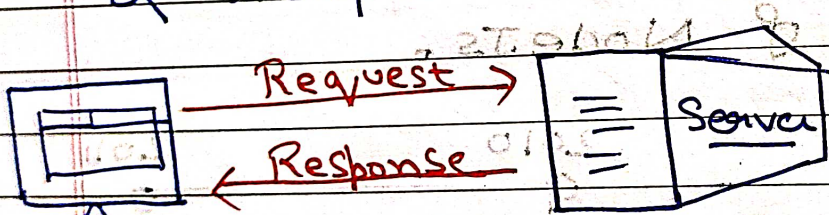
Client

Server

What is V8 ??

Js Engine → Made in C++ (majorly)
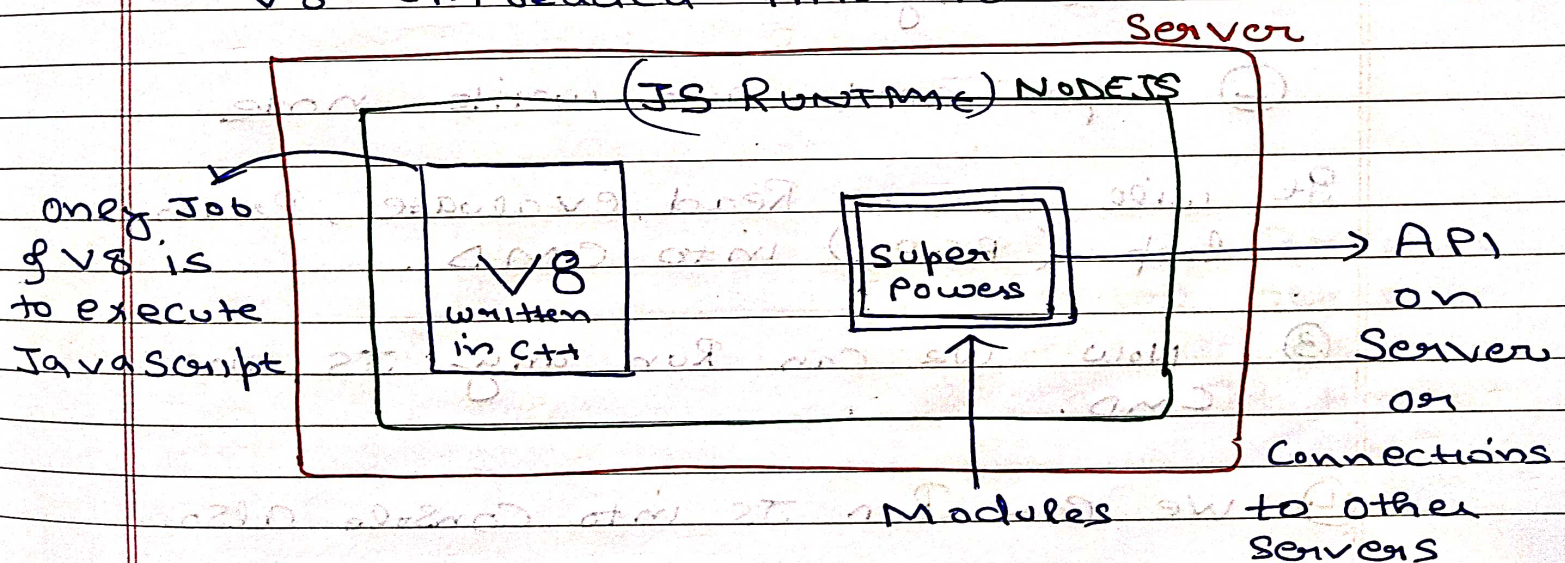
Js engine is a CPP program. Which executes JS

V8 is Google's open source High-Perfor-mance JavaScript Engine, written in C++. It is used in Chrome & node JS

V8 Can be embedded into any C++ application. It follows EcmaScript Standards

:JS: → :V8: → :Machine Code:

What is Node Js ??

Node Js is a C++ Application with V8 embedded into it

Server

(JS Runtime) NODEJS

oney Job
of V8 is
to execute
JavaScript

V8
written
in C++

Super
Powers

→ API
on
Server
or
Connections
to other
Servers

Modules

Code Conversion

High level code $\longrightarrow$ C++
$\downarrow$
Machine Code
$\downarrow$
Assembly Code
$\updownarrow$
Binary Code

High level Code is user understandable

Binary Code is Machine understandable