NodeJs - Js on server :-
↳ C++ code.

• V8

Js Engine — V8 (google) → google open source high-
performance Js and
C++ program | web Assembly engine
written in C++.

is a C++
program

* V8 can be embedded
into any C++ application.

• V8 ——→ execute Js code
→ Js → (V8) → Machine
C++

NodeJs is a C++ application with V8 embedded
into it.
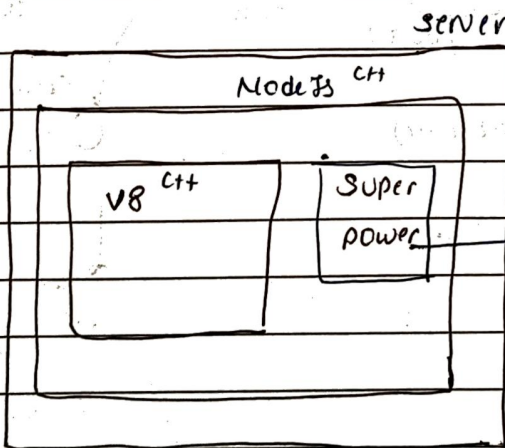
server   • ECAMA script
NodeJs C++   ↳ standard for scripting
                    languages including Js, etc.

V8 C++ | Super |
           | power | → API on server

• embedded → since V8 is written in C++, you can
include it (like a library) inside
your own C++ program.

* **ECMA script** *

   — Standard / Rules

   • Js Engines follows these standards
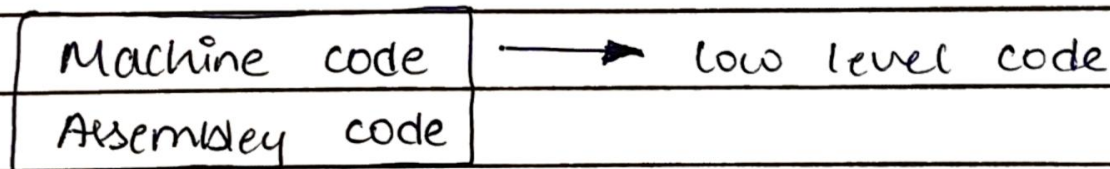
   • V8 - chrome

   • spider monkey - firefox

   • Chakra - microsoft.

   • Javascript core - safari

* **V8 is a C++ code**

     Js

    High level language

Machine code
Assembley code

→ Low level code

→ Binary code.