

What is NodeJS

↳ pre requisite to learn

- > Only system
- > Your Timing + Dedication

⇒ I will teach you Basics of Javascript as well.

•> "Just start and see the magical Result."

What is NodeJS

✓ → Initially, JS was used in frontend only, to enhance UI and interaction on website. (i.e Button, dynamic colour, popup)

→ But NodeJS is,

{ open source ✓
server side ✓
Javascript ✓
Runtime Environment

→ that allow to Run JS code in the server

→ NodeJS allow developer to use same language in frontend and Backend

i.e. ✓ client side
✓ server side]

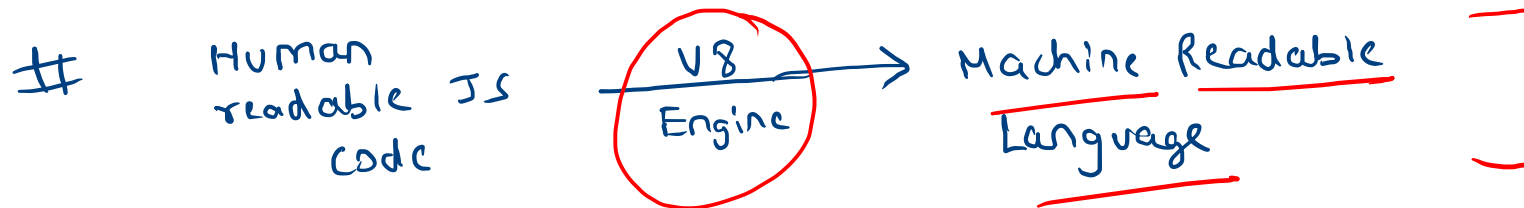
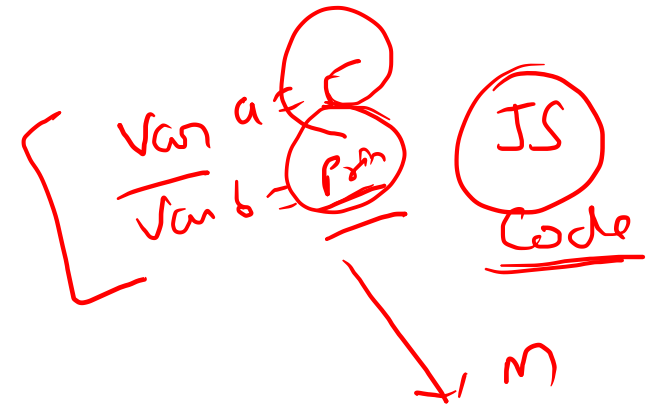
•> Node.js is built on top of
"chrome V8 Javascript Engine"

↳ which is known for high performance and Efficient Execution
of JS code.

•> V8 Engine

↳ open source ✓
Javascript Engine

developed by Google → to use in the Google chrome
web browser.



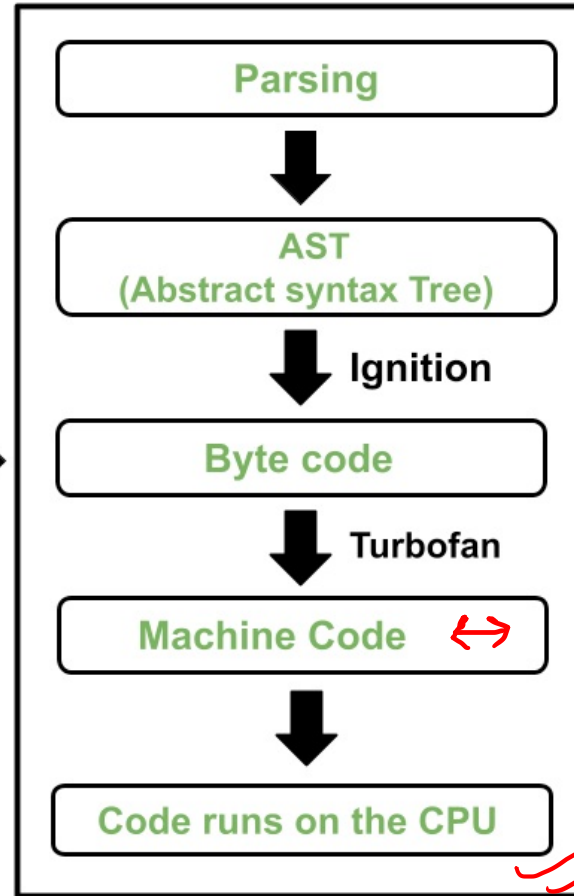
Node.js environment



JS Source code

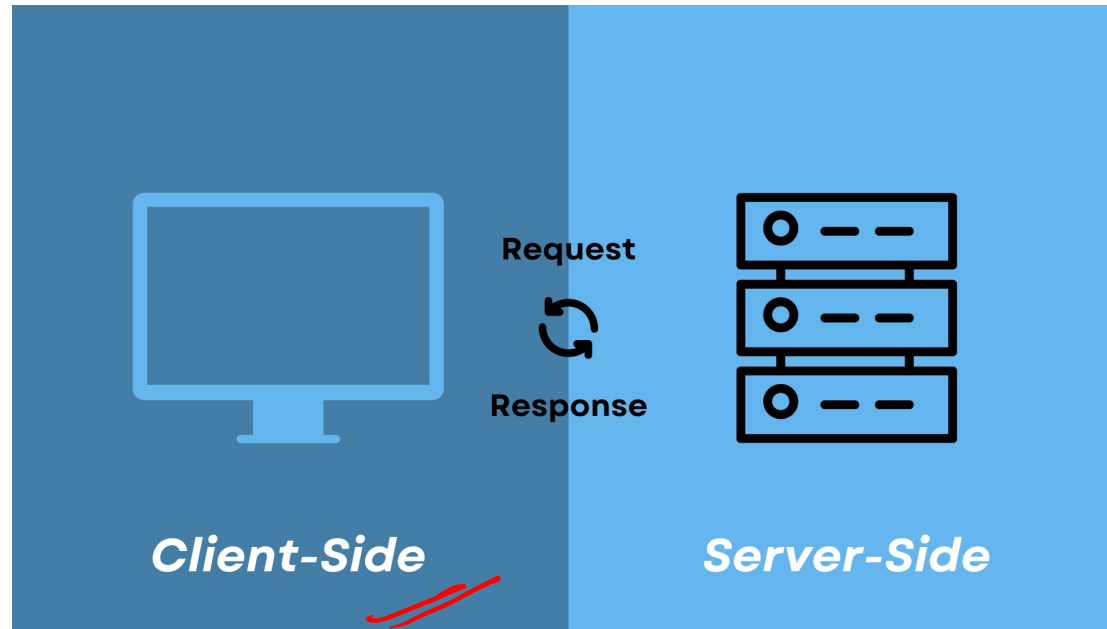
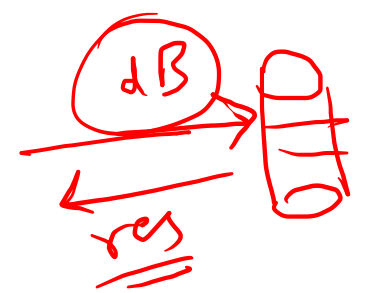


Chrome V8 engine



•> understand client side & server side.

↓ JS Modern JS → JS → JAVA

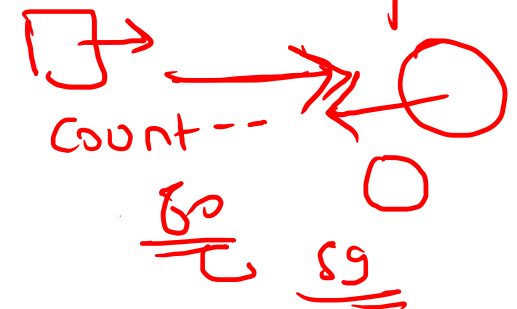
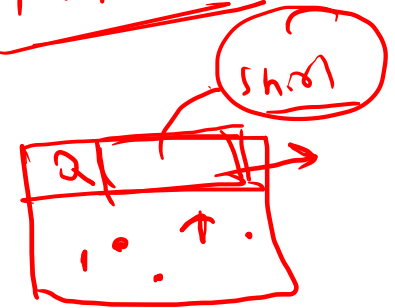


Frontend

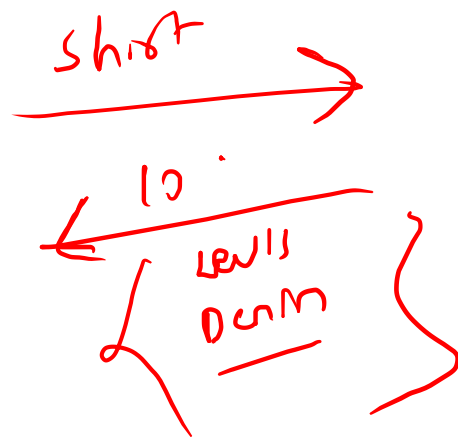
req → Backend

← res

Flipkart



Frontend

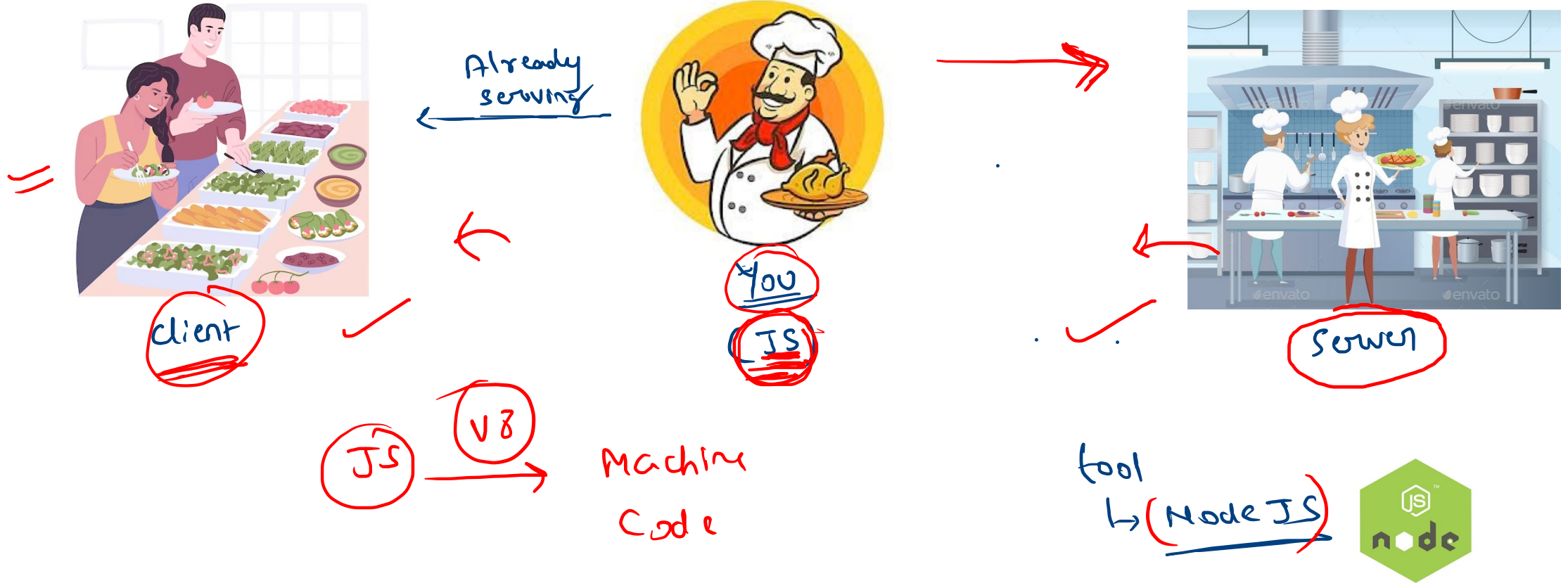


Backend



Layman Example to understand Node.js & v8 Engine

↳



Install ↻ NodeJS ✓
NPM ✓
Vs Code ✓
Postman ✓

How to Run Javascript code ?

↳ •> I know, many of you don't know Javascript in details!

Let's
start JS

```
# Var a = 5  
  Var b = 6  
  Var ans = a+b  
  Console.log(ans)
```

- > online compiler
- > web Browser
- > Terminal
- > Vs code

Basics of JS will be using in Node JS

↳ Variable
Objects
JSON
Console
Array
Random
if
else
Loop
functions
Prompt