Section 17 → Intro to Backend Web Dev.

① **Full Stack** ⟹ Front end + Back end.

② In Backend we will learn Node.js, etc. (PHP, Ruby, Java)
   - Express.js
   - Laravel → Spring, Rails
   - also used python.

But what all comes inside the backend.

   ① <u>Server</u> → Serve up your file (HTML, CSS, website)

   ② <u>Database</u> → Store data (info like username, pass).

   ③ <u>Application</u> → Business logic, what will happen, with APIs etc.

③ In Restaurent → <u>Client side</u> → where people sit

   <u>Server</u> → Kitchen

   <u>Database</u> → Storage, Freezer.

Section 18 → Node.js

① Right now whatever code we wrote was restricted to the browser for JS. i.e it couldn't interact with user's computer.

② Sometimes browser needs access to such systems as it has to complete a Task. Eg:- Upload a file on web.

③ Can also be used to make computer applications.

④ Using CLI and Node.js together.

» pwd → print current directory.

» mkdir → make new folder
  write name after that.
  before enter.

» cd → change directory

» then what you want your dir to be.

if you say name js
then it will be a js file.

» node index.js → says use node to
                  run index.js.

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⑤ REPL

  .exit or Crtl C.
» type node & enter to
  go in REPL.

» Read Evaluation Print Loop.

» like chrome developer tools con python console.

⑥ Node.js Documentation.

→ ⟦ node.js.org/api ⟧.

→ Remember after writing code only run it by use a
command editor/prompt. → ⟦ node file.js ⟧.

⑦ Extemal Modules

→ Node Package Manager (NPM).

→ Has bits of reuseable code that is not in
internal node.js.

First like
create →
→ sign up/type npm init ⟦ be in the folder you want to be ⟧.
i.e where your proj...   baig →
Ask name, version & description. etc.   ⟦ After you do all
                                                that open it in
Skip git resp & text comm.   atom file.json ⟧

New we
install packages
we require.
→ Go to ⟦ www.npmjs.com. ⟧ and select package you
want, everything from installation to...related packages
will be inside it.

Use console.log (name of var); to see in CLI.

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