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Install Node from Nodejs.org. (https://nodejs.org/en/download/)

Two types of JS.

1. AMD (Client side)
2. Common JS (Server side)
   1. Install Nodejs from Nodejs.com
   2. To install on linux, need to google.
      1. Github.com/malikasinger1/Linux-Development/blob/master/setup.sh
   3. Node –v (to show version from CLI)
   4. node (put this command and enter on CLI)
      1. console.log(“Thank you for your input!”) [when enter, will show the text.]
   5. Create a .js file as to run JS code. This is an alternate for the above commands.
      1. Write… console.log(“Thank you for your input!”)
      2. To run file. It can be done through terminal of VS Code Editor.

Book “A Smarter Way to Learn Java Script” is based on JS code running on browser. We will be converting those commands (from book) to run on common JS (i.e. Node JS)

**To goto terminal from VStudio:**

Ctl+~

**To run code on terminal command line:**

* Node

**To run JS file on terminal:**

* Node <filename.js>

**For Prompt command:**

* By default “Prompt” is not available on server side. However a library can be linked to use it. E.g. <https://www.npmjs.com/package/prompt>
* Prompt can be use on client side scripting (on browser not on console {by default})

**False value in JS:**

1. False
2. 0
3. Null
4. Undefined
5. Empty string “”.

**To install ‘Git’;**

Download git from <https://git-scm.com/download/win>

**Clone from ‘Git’:**

* Git clone <git-URL>

**Functions:**

There are two types of functions,

1. Named
2. Anomymous / Arrow / Lamda

**First class citizen concept:**

(20190113)

Ch38 -> Functions -> How to print global variable within a function bypassing the local variable value?

* Do practice on ES5 & ES6 website. (Mozilla.developer.org / ecma.international.org / es5 on w3schools)
* Purity of function?
  + Function that doesn’t depend on external values.
  + Input value can be predictable.
  + Return value (not printing)
* Typescript: Superset of JS (typescriptlang.org)
* Transpile: Compiling from one language to another.

Ch39: Switch case…

* Only can use OR statement