Section 22 → EJS (Embedded JS Templates)

① ⇒ Do everything from cd Desktop to console.log ("Server is running").

② ⇒ Templates are needed to stop repetition.

⇒ { npm install ejs } for installation

⇒ tell/ type ──→ below const app = express();
            app. use ('view engine', 'ejs');

⇒ views folder create   } folder views imp.
   make a file ⇒ file1.ejs.
       ↳ Can write html in it.

③ ⇒ Marker ⇒ changes anything inside it all to variable specified.
     ⇒ <%= varname %> ──→ in file1.ejs.

     ⇒ we use res-render ("file1", {varname : value}); ──→ in app.js.

     ⇒ The value should be specified in app.js & can be changed using if, else (or today.getDay(); (or) something else.

④ ✱✱
   ⇒ We had to create success & failure pages in previous section individually in html. But what if we have to create 10-20 pages having everything same except text.

⇒ In Templates (ejs is used to make them) you can just change req values (changed values to be inside marker) & display same page.

⑤ If you want to add code that is not html, eg:- you use if, else in ejs. then the line should start with <% & end with %>

↳ called scriplet tags.

* See tags in ejs documentation.

$$[ejs.co]$$

* Try to do logic in server only if req use these tags. (scriplet).

⑥ Passing Data from Webpage to your Server.

⇒ Tells how to make submit button using html forms. (Also seen in 250).

⇒ we use app.post() in js for this. & using body parser.

⇒

```
<form class="" action="/" method="post">
    <input type="text" name="newitem">
    <button type="submit" name="button"> Add </button>
</form>
<body>
```
↳ In ejs/ html

↳

```
app.post ("/", function (req, res) {
    var item = req.body.newItem;
    console.log (item);
```
↳ In server app.js.

* To show added item in server we can use res.render.

* Can't have 2 res.render.
   ↳ res.render ("file", {a : value, b : value2 ...}
       res.redirect (/ /)

⑦ Concept of Scope.

→ function a{

    var x = 2
    console.log(x); → will work   } local variable

       ∴ local scope.

}

console.log(x) → Not gonna work

* If you want global scope, declare in start i.e globally.

⑧ Templates vs Layouts

→ Created one more page using template. (localhost:3000/work).

→ Layouts → header.ejs } header & footer stay same even if
            footer = ejs. } pages are not as same. so templates can
                      be used (like2 to-do list) but not as
                       diff (2 diff webpages).
                           of 2 diff wesrite

= They are in middle (to-do list & about of same website)
               Same header & footer.

< %- include("header") %> → On top

                       → on bottom for footer.

⑨ ** Exports.

Like sahd file is for htme to exchange info to app.js, another
module app2.js can give info to app.js using

In app.js { const date = require(___ dioneme + "/date.js"); } we have been using this all along.

In app.js { module.exports = getDate → getDate