

JS templates

It is just template which we can directly use in our code without writing a large piece of code. Just create a template & use it many times so that our total code is reduced.

So for templating we are going to use
EJS \Rightarrow Embedded JS templating

\Rightarrow we will use EJS with express

EJS file needs to stored in a folder called **views**

\Rightarrow In order to access ejs with express

```
const server = require('server');
app = server();
```

```
app.set("view engine", "ejs")
```

↑
View folder where we save

data

So in template we only change a particular part of our code so that there is not full need to change everything from scratch

\Rightarrow $\underline{<\%} = \text{EJS \%}$ \rightarrow
tag ↑
 variable
 name

⇒ we have to push markup in ejs file where you want to change.

⇒ & Just add markup $<%\text{ = Variable-name }%\gt$
with variable & we are ready to go

- & in you get we will use

~~res.render("filename", variable);~~

you don't have to write
full filename with extension
just file

⇒ so now express will search for that
file in views folder

⇒ Steps

⇒ Add markup in ejs file which is
html

⇒ Add ejs with express

⇒ declare variable

⇒ send variable to markup in ejs with
res.render

⇒ you have parse variable as object &
name of obj values in objects should
be same as in markup. & value of
any js variable assign to markup value

In get we use render
In post we use redirect

Page No.	
Date	

Ex: In ejs file list.ejs file it is views folder
<h1> Today <% = Value %> !! </h1>
markup

EJS If In js file
var day = "Weekday";
app.set("list", { value: day });
The object

If you want to send multiple values through
object & you can send comma separated values

Scriptlet tags
<%>

It is ejs tag like <% = %> but the
scriptlet is for the control flow tags & it is very
much useful.

but for all js which you in ejs file
should be covered inside it if html is not

Ex:

<% if (xyz == 0) { %>

<h1> Hello </h1>

<% } %>

<% else { %>

<h1> !World! </h1>

<% } %> ⇒ so this is how you use & why
so Scriptlet

Better to use let our var

Page No.	
Date	

for all JS use Complet so that you can make use of ejs more effectively

So if you're going to use post the render will always send post reply through send get & may cause error

⇒ so for that in order to avoid it use

res.redirect ('/');

so ↑ it will redirect response through get

⇒ so say some text is there which you want to import in your file like importing code from another file like header & footer which will always there in every file so for sake of simplicity we can do that also with ejs

⇒ so create a template / partial & layouts and they can be imported with tag

<% - include("filename of ejs"); -%>

↑
Semicolon is compulsory

<% - -%> ⇒ used for importing layouts or partial code from another ejs file in view folder

Export make code recyclable

Page No.

→ export function is

not constructor so you can

this feature of es6 is very easy to use & easy to implement large code in small chunk of size

If you want add function in one JS file & read it with another

Say if app.js is original file
source.js is source file



In source.js

```
exports.function1 = function1 ;
```

~~Var~~ fit

function function1 () {

function declaration

```
exports.value = 1.67; → So
```

Just only this & if you want access it

in app.js

```
const func = require('file distribution of  
source.js');
```

func.function1();

you can fetch

func.value

function from
source.js

can be fetched

use it directly without

Let a = new func();

It is not needed

#Express routing parameter

Page No.	
Data	

so now we have embed multiple pages inside the our same website as we have multiple post so it is not possible to deal each with get request it will become to messy

⇒ In order to make it easy & automated we will use routing parameters

⇒ So If you click on link & we will redirect to one particular topic such can be created with express routing parameter

say `tin`

⇒ `req.params.topic`

Ex:-

```
app.get("/Hello/:yz", function (req, res) {
```

yz is parameter & it is
acts like topic

(305)
⇒ `req.params.topic` if will get printed
on console

say & we can pass multiple topic at once

```
app.get("/Hello/new")...  
app.get("/yz Hello /yzz").
```

yzz is topic