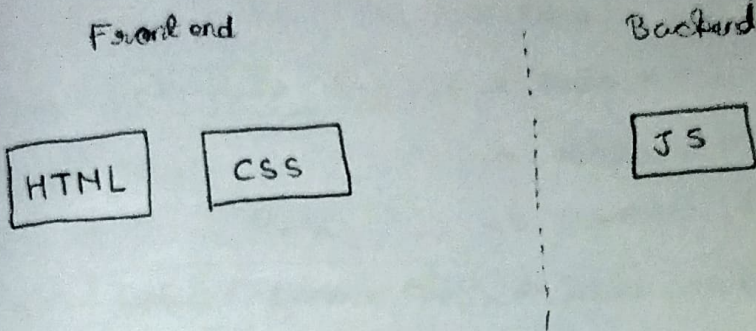


The concept of Embedded JS is to separate front end and back end part on its structure these files.

Separation of concerns:-



EJS is a template language.ejs.
it is used for dynamic webpage.

```
index.js:-
app.post("/submit", (req, res) => {
  res.render("index.ejs",
    { name : req.body["name"] }
  );
});
```

```
index.ejs:-
<body>
  <h1>
    Hello <%= name %>
  </h1>
</body>
```


EJS syntax:-

Different EJS tags.

`<% = variable %>` \Rightarrow interpreted as JS
in addition there will be output

`<% console.log("Hello") %>` \Rightarrow Execute the JS Code.
there is not output.

`<% - <h1>Hello </h1> %>` \Rightarrow Render HTML

`<%% %>` \Rightarrow show `<%` or `%>`

`<% # %>` \Rightarrow comments [EJS]

`<% - include("filename") %>` \Rightarrow insert another EJS file

Example:-

index.js:-

```
let bowl = ["Apple", "Orange", "Banana"]
```

```
app.get("/", (req, res) => {
```

```
  res.render("index.ejs", {
```

```
    fruit : bowl.
```

```
  });
```

```
});
```

index.ejs:-

```
<body>
```

```
<ul>
```

```
<% for (let i=0; i < fruits.length; i++) { %>
```

```
<li>
```

```
<% = fruits[i] %>
```

```
</li>
```

```
<% } %>
```

```
</ul>
```

```
</body>
```

only code.

EJS & Passing Data :-

→ Passing Data from server to client & client to server.

server → EJS :-

index.ejs :-

```
app.get('/', (req, res) => {  
  res.render("index.ejs", {  
    name: "Abhinav"  
  });  
});
```

index.ejs :-

```
<body>  
<h1>  
  Hello <%= name %>  
</h1>  
</body>
```

what if there is no data ?

index.ejs :-

```
app.get('/', (req, res) => {  
  res.render("index.ejs"); // there is no data here.  
});
```

index.ejs :-

<body>

```
<%= if (locals.fruits) { %> // locals are for  
  <ul><%= fruits.forEach((fruit) => { // existence of Data.  
    <li> // if it is false,  
      <%= fruit %> // it will skip that  
    </li> // section of code.  
  } %> </ul>
```

</body>

Passing Data from EJS to Server:-

index.js:-

```
app.post("/submit", (req, res) => {  
  res.render("index.ejs", {  
    name: req.body["fName"]  
  });  
});
```

});

index.ejs:-

```
<form action="/submit" method="Post">  
  <input type="text" name="fName" placeholder="First Name">  
  <input type="submit" value="OK">  
</form>
```

Partials & Layout:-

→ Reusing EJS code.

using static files :-

=> app.use(express.static("public"));