

Render VIEW(html) through the express server !!!

1. Render a static HTML page
 - a. `res.sendFile("xyz.html")`

Static html --- the content of the html does not change / hardcoded

2. Render a Dynamic HTML page
Use Express VIEW ENGINE
`res.render(.....)`

Express template engine /view engine }} pug , mustache, handlebars (hbs)

3. First show login page
if login success then show a page with two buttons
 1. mathstable
 2. calc

When I click on maths table --- show a textfield and a button (click show the table of that number)

When I click on calc -----show 2 textfields and a dropdown and a button(click show the sum)

FLOW1

Browser ==> <http://localhost:2500/calculator> ==> **Server** ==> `app.get("/calculator")` ==> `res.render("calc")`

HTML of calc will be shown on the **Browser**

FLOW2

Browser==>User enter numbers on calc VIEW ,user clicks the submit button==> `action="/docalculation" method="post"` ==>**Server**

Server ==> `app.post("/docalculation")` ==> extract user-entered-numbers `n1=req.body.num1`
`n2=req.body.num2`

`sum=n1+n2`

`res.render("calc", {result:sum})` ==> `calc.hbs` ==> put the value of the result in `{{}}` ==> html goes to **Browser**

FLOW1

Browser ==> <http://localhost:2500/maths> ==> **Server** ==> `app.get("/maths")` ==> `res.render("mathstable")`

HTML of mathstable will be shown on the **Browser**

FLOW2

Browser==>User enter number on mathstable VIEW ,user clicks the submit button==> `action="/generate-table" method="post"` ==>**Server**

Server ==> `app.post("/generate-table")` ==> extract user-entered-numbers `n1=req.body.num1`

arr is created that holds all the strings
res.render("mathstable", {rowdate:arr}) ==> mathstable.hbs ==> complete the table ==>
html goes to **Browser**