

## Express and handlebars

Install the required files in terminal first and store them in vs code in a variable

```
JS server.js  ●  index.hbs  # style.css  JS index.js

JS server.js > ...
1  const express = require("express");
2  const https = require("https");
3  const app = express();
4  const path = require('path');
5  var expHbs = require('express-handlebars');
```

To send html file css and its corresponding js use public folder and store all files there

```
app.use(express.static(path.join(__dirname, "public")));

const bodyParser = require("body-parser");
app.use(bodyParser.urlencoded({extended: true}));
```

Use body parser to access the elements

Now since we cant edit html using backend server we have to make a new folder named views and make a file there called index.hbs and copy all the content from index.html to index.hbs and delete the index.html file

```
2  // set view engine
3  app.set("view engine", "hbs");
```

```

let curr_temp = 0;
let cityInput = "Chennai";
app.post("/", (req, res) => {
  let city = req.body.city;
  cityInput = city;
  const url = 'https://api.openweathermap.org/data/2.5/weather?q=' + city + '&units=metric&appid=d7341b26674f21af2d9ec5d64717913b';
  https.get(url, (response) => {
    response.on("data", function(data) {
      const weatherData = JSON.parse(data);
      const temperature = weatherData.main.tTemp;
      curr_temp = temperature;
      // res.write("temp is " + temperature);
      res.redirect('/');
    });
  });
});
});

```

Use the redirect method to remain on same page(reload)

This is how we can change the html

```

// template engine route
app.get("/", (req, res) => {
  res.render("index",
    {temp: curr_temp + " C", cityName: cityInput } );
});

app.listen(3000, () => {
  console.log("Weather forecast started at port 3000");
});

```

Index .hbs

```

<div class="card-body text-center">
  <h2 class="m-1">Location</span></h2>
  <h3 class=" m-3" id="cityName"><i class="fa-solid fa-location-dot "></i><span class="text-warning">
    {{cityName}}</span></h3>
  <h2 class="m-3">Temperature</h2>
  <h3 class=" temp m-3" name="temp" ><i class="fa-solid fa-temperature-low"></i><span
    class="text-warning"> {{temp}}</span></h3>
  <p id="date">26 feb 2023 | 2:00 p.m</p>
</div>

```

Jo change karna hai usko `{{}}` brackets me ek variable me assign kardo aur phir server.js me jake usme assign kardo