

```

const express = require('express')
const app = express()
const https = require('https')

app.get('/', function (req, res) {
  const url = "https://api.openweathermap.org/data/2.5/weather?q=London&appid=e72ca72..."

  https.get(url, function (response) {
    console.log(response.statusCode)
    response.on("data", function (data) {
      const weatherData = JSON.parse(data)
      const temp = weatherData.main.temp
      })
      res.send("Server is running")
    })
  })

```

*** can only have one res.send**

```

  .get("/", function(req, res){
    const url = "https://api.openweathermap.org/data/2.5/weather?q=London&appid=e72ca72af"

    https.get(url, function(response){
      console.log(response.statusCode)

      response.on("data", function(data){
        const weatherData = JSON.parse(data)
        const temp = weatherData.main.temp
        const weatherDescription = weatherData.weather[0].description
        res.write("<p>The weather is currently " + weatherDescription + "</p>");
        res.write("<h1>The temperature in London is " + temp + " degrees Celcius.</h1>");
        res.send()
      })
    })
  })

```

* Mkdir Weatherproject

cd Weatherproject

touch index.html } or touch index.html app.js

touch app.js

npm init

npm i express

```
const express = require ("express");
```

```
const https = require ("https");
```

don't have to install this as it is a default node module

```
const app = express();
```

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

*add https:// always before link
from Postman the link*

```
    https.get (url, function (response) {
```

```
        console.log (response);
```

```
        res.send ("Server is running");
```

```
}
```

```
app.listen (3000, function () {
```

```
    console.log ("Server is running on port 3000");
```

```
)
```

```
const url = "https://api.openweathermap.org/data/2.5/weather?q=London&appid=e72ca72"

https.get(url, function(response){
    console.log(`target: ${target}, property: ${property}`)

    response.on("data", function(data){
        const weatherData = JSON.parse(data)
        const temp = weatherData.main.temp
        const weatherDescription = weatherData.weather[0].description
        const icon = weatherData.weather[0].icon
        const imageURL = "http://openweathermap.org/img/wn/" + icon + "@2x.png"
        res.write("<p>The weather is currently " + weatherDescription + "</p>");
        res.write("<h1>The temperature in London is " + temp + " degrees Celcius.</h1>");
        res.write("");
        res.end()
    })
})
```

JSON.parse to convert data to JS Object
JSON.stringify to convert data to JSON string

const express = require('express');
const https = require('https');

```
const app = express();

app.use(bodyParser.urlencoded({extended: true}));

app.get("/", function(req, res){
  res.sendFile(__dirname + "/index.html");
});

app.post("/", function(req, res){
  const query = req.body.cityName;
  const apiKey = "e72ca729af228beabd5d20e3b7749713";
  const unit = "metric"
  const url = "https://api.openweathermap.org/data/2.5/weather?q=" + query + "&appid="

  https.get(url, function(response){
    console.log(response.statusCode);
    response.on("data", function(data){
      const weatherData = JSON.parse(data); // what to do with the data
      const temp = weatherData.main.temp;
      const weatherDescription = weatherData.weather[0].description;
      const icon = weatherData.weather[0].icon;
      const imageURL = "http://openweathermap.org/img/wn/" + icon + "@2x.png";
      res.write("<p>The weather is currently " + weatherDescription + "</p>");
      res.write("<h1>The temperature in " + query + " is " + temp + " degrees Celcius");
      res.write("");
      res.send();
    });
  });
})
```

response.on('event', callback)
after receiving response what
to do

In Node.js, when you make an HTTP request using the `http` or `https` module, the response from the server is returned in chunks. The `response.on` method allows you to register a callback function to handle each chunk of data as it is received.

So in the code you provided:

```
javascript
Copy code

https.get(url, function(response) {
  response.on("data", function(data) {
    // do something with each chunk of data
  });
});
```