

Responding to Requests with HTML Files

<http://www.expressjs.com/en/4x/api.html#res.send>

`res.sendFile("location");` //For whole file

if path is not known then check by `console.log(__dirname);`

```
C:\Users\VM.A Computer\Desktop\Calculator> nodemon calculator.js
[nodemon] 2.0.19
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node calculator.js`
Server started on port 3000.
^C
C:\Users\VM.A Computer\Desktop\Calculator> nul > index.html
Access is denied.

C:\Users\VM.A Computer\Desktop\Calculator>

C:\Users\VM.A Computer\Desktop\Calculator> node calculator.js
Server started on port 3000.
C:\Users\VM.A Computer\Desktop\Calculator
C:\Users\VM.A Computer\Desktop\Calculator
C:\Users\VM.A Computer\Desktop\Calculator
^C
C:\Users\VM.A Computer\Desktop\Calculator>
```

Create another file `path.js` and check paths there

```
C:\Users\VM.A Computer\Desktop\Calculator> npm install -g nodemon
Terminate batch job (Y/N)?
Terminate batch job (Y/N)? cls
Terminate batch job (Y/N)?
^C
C:\Users\VM.A Computer\Desktop\Calculator> nodemon calculator.js
[nodemon] 2.0.19
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node calculator.js`
Server started on port 3000.
^C
C:\Users\VM.A Computer\Desktop\Calculator> nul > path.js
Access is denied.

C:\Users\VM.A Computer\Desktop\Calculator> node path.js
C:\Users\VM.A Computer\Desktop\Calculator

C:\Users\VM.A Computer\Desktop\Calculator>
```

`res.sendFile(path [, options] [, fn])`

`res.sendFile()` is supported by Express v4.8.0 onwards.

Index.html:

```
<!DOCTYPE html>

<html lang="en" dir="ltr">

  <head>

    <meta charset="utf-8">

    <title>Calculator</title>

  </head>

  <body>

    <h1>Calculator</h1>

    <form action="index.html" method="post">

      <input type="text" name="num1" value="First Number">

      <input type="text" name="num2" value="Second Number">

      <button type="submit" name="submit">Calculate</button>

    </form>

  </body>

</html>
```

Calculator.js:

```
//jshint esversion:6

const express = require('express');

const app = express();

app.get("/", function(req, res){ //callback function
  //res.send("Hello, World!");
  //res.sendFile("index.html");
  res.sendFile(__dirname + "/index.html");
});
```

```
app.listen(3000, function(){  
  console.log("Server is running at Port 3000.");  
});
```

