## Page:1

# **HTTP Program**

## **httpget.js**

const http = require("http");

// console.log(http);

const server = http.createServer((req, res) => {

// console.log(req); //buffering

// console.log(req.url);

const fs = require("fs");

if (req.url == "/") {

// res.end("home page");

res.write("home page");

res.end();

} else if (req.url == "/about") {

res.end("about page");

} else if (req.url == "/getdata") {

fs.readFile("./db.json", "utf8", (err, data) => {

if (err) {

res.end("Data Not Found");

} else {

res.end(data);

}

});

} else {

res.end("page not found ERROR 404");

}

});

server.listen(8080, () => {

## **page:2**

console.log("server is running");

});

//http://localhost:8080

## **Httppost.js**

const http = require("http");

const fs = require("fs");

const server = http.createServer((req, res) => {

  if (req.url == "/") {

    res.end("home page");

  } else if (req.url == "/addproduct" && req.method == "POST") {

    // res.end("product");

    let str = "";

    req.on("data", (chunk) => {

      str = str + chunk;

    });

    res.on("close", () => {

      //   console.log(str);

      //   fs.appendFile("./db.json", str, (err) => {

      //     if (err) {

      //       res.end(err);

      //     } else {

      //       res.end("data added successfully");

      //     }

      //   });

      //first read

      fs.readFile("./db.json", "utf-8", (err, data) => {

        if (err) {

## **page:3**

    res.end(err);

        } else {

          console.log(data);

          const productdata = JSON.parse(data);

          productdata.product.push(JSON.parse(str));

          //   console.log(productdata.product);

          fs.writeFile("./db.json", JSON.stringify(productdata), (err) => {

            if (err) {

              res.end(err);

            } else {

              res.end("data posted successfully");

            }

          });

          res.end();

        }

      });

    });

  } else {

    res.end("404");

  }

});

server.listen(8080, () => {

  console.log("server is running");

});

## **Package.json**

{

"name": "http",

"version": "1.0.0",

"description": "",

## **page:4**

"main": "index.js",

"dependencies": {

"anymatch": "^3.1.3",

"balanced-match": "^1.0.2",

"binary-extensions": "^2.3.0",

"brace-expansion": "^1.1.11",

"braces": "^3.0.3",

"chokidar": "^3.6.0",

"concat-map": "^0.0.1",

"debug": "^4.3.6",

"fill-range": "^7.1.1",

"glob-parent": "^5.1.2",

"has-flag": "^3.0.0",

"ignore-by-default": "^1.0.1",

"is-binary-path": "^2.1.0",

"is-extglob": "^2.1.1",

"is-glob": "^4.0.3",

"is-number": "^7.0.0",

"minimatch": "^3.1.2",

"ms": "^2.1.2",

"nodemon": "^3.1.4",

"normalize-path": "^3.0.0",

"picomatch": "^2.3.1",

"pstree.remy": "^1.1.8",

"readdirp": "^3.6.0",

"semver": "^7.6.3",

"simple-update-notifier": "^2.0.0",

"supports-color": "^5.5.0",

"to-regex-range": "^5.0.1",

"touch": "^3.1.1",

"undefsafe": "^2.0.5"

},

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1",

"server":"nodemon httpget.js",

"post":"nodemon httppost.js"

},

"keywords": [],

"author": "",

"license": "ISC"

}

## **db.json**

{

"product": [

{

"id": 1,

"title": "Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops",

"price": 109.95,

"description": "Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday",

"category": "men's clothing",

"image": "https://fakestoreapi.com/img/81fPKd-2AYL.\_AC\_SL1500\_.jpg",

"rating": { "rate": 3.9, "count": 120 }

},

{

"id": 2,

"title": "Mens Casual Premium Slim Fit T-Shirts ",

"price": 22.3,

"description": "Slim-fitting style, contrast raglan long sleeve, three-button henley placket, light weight & soft fabric for breathable and comfortable wearing. And Solid stitched shirts with round neck made for durability and a great fit for casual fashion wear and diehard baseball fans. The Henley style round neckline includes a three-button placket.",

"category": "men's clothing",

"image": "https://fakestoreapi.com/img/71-3HjGNDUL.\_AC\_SY879.\_SX.\_UX.\_SY.\_UY\_.jpg",

"rating": { "rate": 4.1, "count": 259 }

}

],

"users": [

{

"id": 1,

"email": "john@gmail.com",

"username": "johnd",

"password": "m38rmF$",

"name": { "firstname": "john", "lastname": "doe" }

}

]

}