```javascript
/*
    ===================== Node.js Basics ================

    1) How Does The Web Work (Refresher)?
    2) Creating a Node.js Server
    3) Using Node Core Modules
    4) Working with Requests & Respones (Basics)
    5) Asynchronus Code & the Event Loop

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/*
    ===================== How the web Works ===============

    1) USER / Client (Browser)
    2) enter domain Name http://mypage.com
    3) Requests
    4) To server    <= your code  (Node.js, PHP, Asp.NET...);
    5) server conect to database
    6) After server work done
    7) server send response (HTML, Json...)to browser(client/ User)

    work done by HTTP, HTTPS

    => Hyper Text Transfer Protocol (HTTP)
    A protocol for Transferring Data which is undersood by Browser and server

    => Hyper text Transfer Protocol Secure
    HTTP + Data Encryption (during Transmission)


*/

/*
    ================= Creating a Node.js Server ===================

*/


// require() take file path to import file

const http = require('http');

const server = http.createServer((req, res)=>{
    console.log(req);
});


server.listen(3000);


/*
    ===================== Node.js Program LifeCycle =====================
    1) RUN  node app.js
    2) start read the start Script
    3) parse Code, Register Variables & Functions
    4) Event Loop (The Node Applicaton) +> Keeps on running as long as there are event listeners Registerd


*/


// ************ Get Request to server WHO and see url, mehtod, headers info******************

const http = require('http');

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

    // see some who requested to this node server...
    console.log(req.url, req.method, req.headers);

});

server.listen(3000);


```

```javascript
// **************** Depend on the Request Server send the response to the client or user *************

const http = require('http');

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

    console.log(req.url, req.method, req.headers);

    // setHeader("context-Type is defalut header", 'document type is')
    res.setHeader('Content-Type', 'text/html');
    res.write('<html>');
    res.write('<head> <title> My First Page</title></head>');
    res.write('<body> <h1>Hello form my Node.js Server! </h1> </body>');
    res.write('</html>');
    res.end();
    // After end we can write it will show error

});

server.listen(3000);


// =================== Routing Resuests ==================

const http = require('http');

const fs = require('fs');


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

    const url = req.url;
    const method = req.method;
    if(url === '/'){
        res.write('<html>');
        res.write('<head> <title> Eneter Message </title> </head>');
        res.write('<body><form action="/message" method="POST"><input type="text" name="message"/><button>click</button></form></body>');
        res.write('</html>');
        return res.end();
    }
    if(url === '/message' && method === 'POST') {

        fs.writeFileSync('message.txt', 'DUMMY');
        res.statusCode = 302;
        res.setHeader('Location', '/');
        return res.end();

    }

});

server.listen(3000);

/*
    ================== Parsing Request Streams & Buffers ==================

    Example: incoming Request

    Stream => Req_body_part_1 => Req_body_part_2 => Fully Parsed

    // *********** Somthing we have to Focus ************

*/

// For understanding code
const server = http.createServer((req, res)=>{

    if(url === '/message' && method === 'POST'){

        // when we get some date from post by user fill in the form
        // That time we have to receive the data and convert and use to do something
        // aysn way applying on that

        const body = [];
        req.on('data', (chunk)=>{
            console.log(chunk);
            body.push(chunk);
            body.push(chunk);
        });
        // After incoming data is received then 'end' run
        req.on('end', ()=>{
            const parserBody = Buffer.concat(body).toString();
            console.log(parserBody);
            const message = parsedBody.split('=')[1];
            fs.writeFileSync('message.txt', message);
        });


    }
});

// <Buffer 6d 65 73 73 61 67 65 3d 67 6f 6f 64 2b 62 6f 79>
// message=good+boy

// FuLL Code of store date from user intput........


const http = require('http');

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            const message = parsedBody.split('=')[1];
            fs.writeFileSync('message.txt', message);
        });

        res.statusCode = 302;
        res.setHeader('Location', '/');
        return res.end();

    }

});

server.listen(3000);
/* ************** OUTPUT in console log ***************
<Buffer 6d 65 73 73 61 67 65 3d 67 6f 6f 64 2b 62 6f 79>
message=good+boy

*/



// ==================== using route.js and app.js ====================

// *************************** app.js ********************


const http = require('http');

const route = require('./route');

const server = http.createServer(route);

server.listen(3000);

// ************************** END **********************

// ************************** route.js *****************************


const fs = require('fs');

const routeHandler = (req, res) => {

    const url = req.url;
    const method = req.method;

    if (url === '/') {
        res.write('<html>');
        res.write('<head> <title> Eneter Message </title> </head>');
        res.write('<body><form action="/message" method="POST"><input type="text" name="message"/><button>click</button></form></body>');
        res.write('</html>');
        return res.end();
    }
    if (url === '/message' && method === 'POST') {

        const body = [];

        req.on('data', (chunk) => {
            console.log(chunk);
            body.push(chunk);

        });

        req.on('end', () => {
            const parsedBody = Buffer.concat(body).toString();
            console.log(parsedBody);
            const message = parsedBody.split('=')[1];
            fs.writeFileSync('message.txt', message);
        });

        res.statusCode = 302;
        res.setHeader('Location', '/');
        return res.end();

    }

}

// only function export

module.exports = routeHandler;

//  object expor from route file

module.exports = {
    route: routeHandler,
    someText: 'some hard text',
};

// another way of pass objec by dot
module.exports.rotue = routeHandler;
module.exports.someText = 'some hard text';

// only export systent also allow
exports.route = routeHandler;


// ************************************* END *****************************
```