

# LU10.S02 - Building a basic web server with node

## Assignments

As we all know, a server provides data to users request. Let us build together a webserver, that can display an array of data on the browser. For that follow the instructions on the video tutorial.

The screenshot shows the WebStorm IDE interface. On the left, the project structure for 'M290\_2' is visible, with 'basicWebServer.js' highlighted and circled in red. The main editor window contains the code for the web server. A red circle highlights the JSON response 'id:123, "name": "Bob", "email": "bob@terminator.com"}' sent to the browser. The terminal at the bottom shows the command 'node ./basicWebServer.js' being run and the server starting on port 3000.

```

4  * Description:
5  * This is a basic web server, that display data in json format on the browser
6  ** ****
7  // Reference: www.nodejs.com/package/mysql
8
9  const http = require("http");
10 const req = require("express/lib/request"); // Import of the http-package
11
12 const port = 3000; // Kind of a telefon number, on which the server listens
13 const server = http.createServer((req, res) =>
14   res.writeHead('Content-Type', 'text/plain', 'application/json');
15   res.setHeader('Access-Control-Allow-Origin', '*'); // We accept request from anywhere
16   res.writeHead(200); // status code: 200 = OK
17   let dataObj = {id: 123, "name": "Bob", "email": "bob@terminator.com"};
18   let dataString = JSON.stringify(dataObj); // JSON-Object transferred to a string
19   res.end(dataString); // send the data to the browser
20
21);
22
23 server.listen(port, () => {
24   console.log(`Server started on port: ${port}`);
25 });
26

```

Basic Web Server as Code Solution

## Vocabulary

English	German
...	...



Volkan Demir

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