

## Backend Tutorial: Node.Js Modules with Exam...

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## Backend Tutorial: Node.Js Modules with Examples | Web Development Tutorials #64

From the last tutorials, we have started learning about backend in web development in Node.Js. Moving further, here we will see some examples of Node.Js

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modules, you can visit the official website [here](#). Let us see an example, wherewith the help of these modules, we can read and write the same file.

The first step is to include the module with the help of the following code-

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

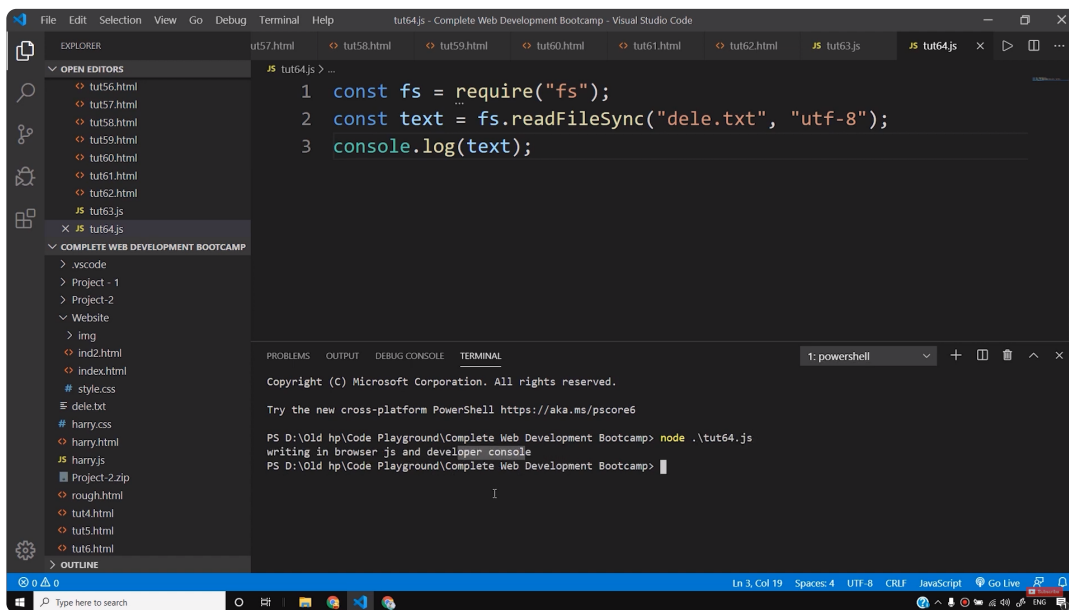
The next step is, we have to write the name of the file, which we want to read. In this example, assume the file name is "delete.txt". The code for reading the file is as follows-

```
const text = fs.readFileSync("dele.txt", "utf-8");
```

The function **readFileSync** synchronously reads the entire contents of a file. Finally, the last step is to print the file as follows–

```
console.log(text);
```

To execute the above code, we have to write **node > | tut64.js**. As soon as we write this, we get the output as follows–



We can also write it as follows–

```
const fs = require("fs");
const text = fs.readFileSync("dele.txt", "utf-8")
console.log("The content of the file is")
console.log(text);
```

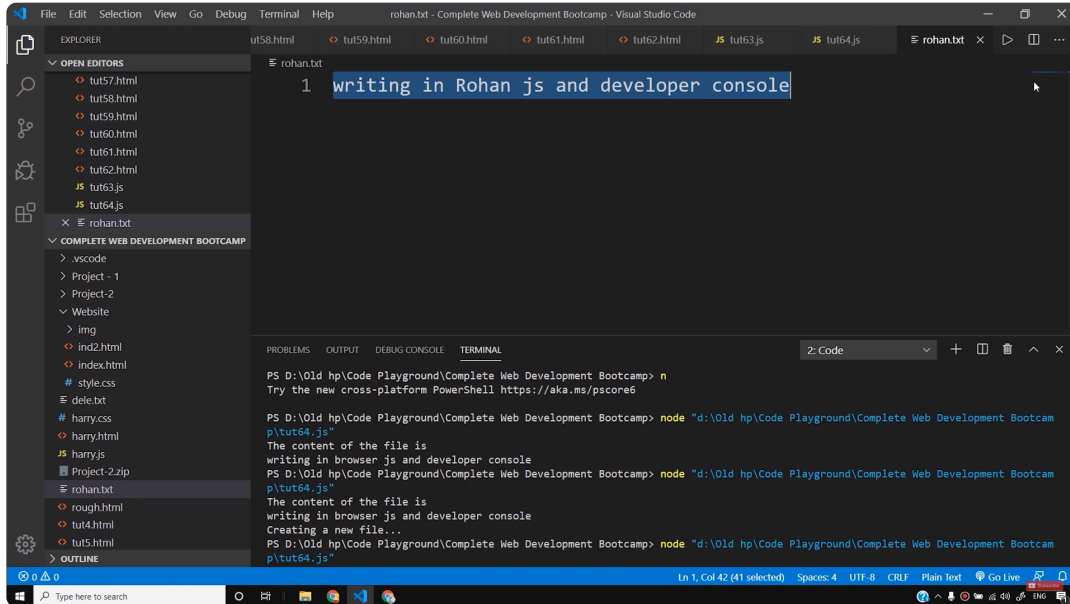
We can also make a new file and replace the content of the original file. Suppose we have to replace *“browser”* with *“Rohan”*. To do so, we have to write–

```
const fs = require("fs");
let text = fs.readFileSync("dele.txt", "utf-8");
text = text.replace("browser", "Rohan");
```

Now we have to make a new file in which we will write the above text. Let us assume the name of the file is *rohan.txt*. So the code for it goes as follows–

```
console.log("Creating a new file...")
fs.writeFileSync("rohan.txt", text);
```

The **writeFileSync()** function is used to write the file. After executing the above code, the file named *rohan.txt* will be created and you will see the output as follows–



This is a very simple example of the use case of how the modules work under Node.Js. We can even make our own modules and use them accordingly. You can try to make different modules so that you get comfortable with it. In the upcoming tutorials, we will learn some complex modules like *npm*, etc. Till then stay tuned with the tutorials.

## Code as described/written in the video

```
const fs = require("fs");
let text = fs.readFileSync("dele.txt", "utf-8");
text = text.replace("browser", "Rohan");

console.log("The content of the file is")
console.log(text);

console.log("Creating a new file...")
fs.writeFileSync("rohan.txt", text);
```



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