NodeJS Module 3: Hands-On:2
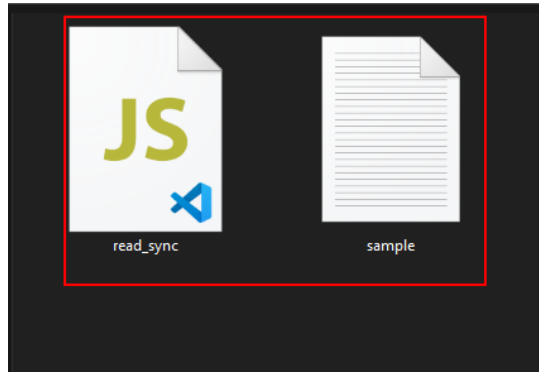## Reading the Contents of a File Synchronously

Step 1: Create a file named **read_sync.js** and a text file named **sample.txt** with some sample text in it

Step 2: Open read_sync.js in any text editor

Step 3: Type the following code:

Step 3.1: Import the fs module using the 'require' keyword

Step 3.2: Write a console log before reading the code that reads the file contents synchronously

```js
JS read_sync.js ×
C: > Users > Intellipaat-Team > Desktop > fs > demo > JS read_sync.js > ...
1   const fs = require('fs');
2
3   console.log('Done before reading file synchronously');
4
5   const data = fs.readFileSync('sample.txt');
6   console.log(data.toString());
7
8   console.log('Done after reading file synchronously');
9
```

Step 3.3: Read the file contents synchronously in a variable called data using the method 'readFileSync' from the fs module

```js
JS read_sync.js ×
C: > Users > Intellipaat-Team > Desktop > fs > demo > JS read_sync.js > ...
1   const fs = require('fs');
2
3   console.log('Done before reading file synchronously');
4
5   const data = fs.readFileSync('sample.txt');
6   console.log(data.toString());
7
8   console.log('Done after reading file synchronously');
9
```

Step 3.4: Print the file contents in the console in the string format

```js
const fs = require('fs');

console.log('Done before reading file synchronously');

const data = fs.readFileSync('sample.txt');
console.log(data.toString());

console.log('Done after reading file synchronously');
```

Step 3.5: Write a console log after reading the code that reads the file contents synchronously

```js
const fs = require('fs');

console.log('Done before reading file synchronously');

const data = fs.readFileSync('sample.txt');
console.log(data.toString());

console.log('Done after reading file synchronously');
```

Step 4: Open the command prompt in the same directory as the file

```
C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.18362.476]
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C:\Users\Intellipaat-Team\Desktop\fs\demo>_
```

Step 5: Run the file using the command 'node read_sync.js'. Note that the output appears in the same order in which you wrote it in the code because it is read synchronously. So, if it is a really big file, your code will stop until it is read entirely, and then the last console log will get executed


```
C:\Windows\System32\cmd.exe

C:\Users\Intellipaat-Team\Desktop\fs\demo>node read_sync.js
Done before reading file synchronously
This is a sample data file.
Done after reading file synchronously

C:\Users\Intellipaat-Team\Desktop\fs\demo>_
```