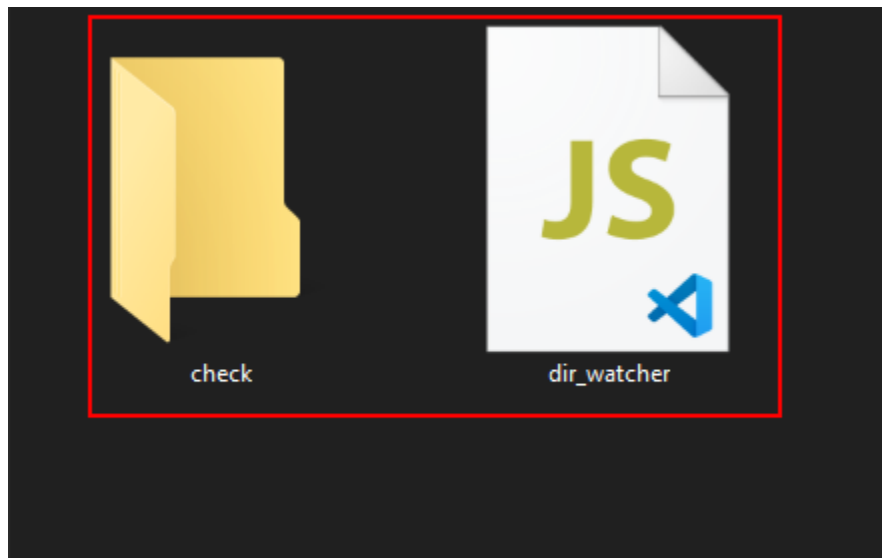# NodeJS Module 3: Hands-On:6
Monitor Folder and Log Changes to the Console

Step 1: Create a file named **file_watcher.js** a folder named **check**

Step 2: Open 'dir_watcher' in any text editor

Step 3: Type the following code:

```
JS dir_watcher.js ×

C: > Users > Intellipaat-Team > Desktop > fs > demo > JS dir_watcher.js > ...
1    const fs = require('fs');
2
3    fs.watch('check', (event, filename) => {
4        console.log(`${event} - ${filename}`);
5    });
```

Step 3.1: Import the file system module using the 'require' keyword

```
JS dir_watcher.js ×

C: > Users > Intellipaat-Team > Desktop > fs > demo > JS dir_watcher.js > ...
1    const fs = require('fs');
2
3    fs.watch('check', (event, filename) => {
4        console.log(`${event} - ${filename}`);
5    });
```
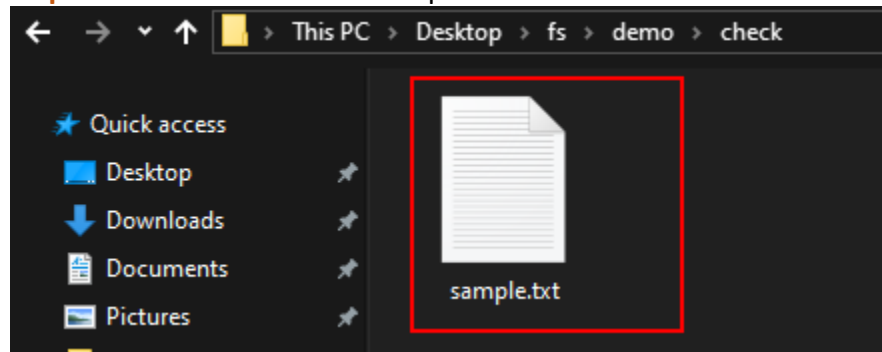
Step 3.2: On the fs module, call the watch method with the folder name 'check' and a callback that accepts the event and filename as its arguments

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

fs.watch('check', (event, filename) => {
    console.log(`${event} - ${{filename}}`);
});
```

Step 3.3: In the callback, log the event and the file name that are passed as arguments

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

fs.watch('check', (event, filename) => {
    console.log(`${event} - ${{filename}}`);
});
```

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]
(c) 2019 Microsoft Corporation. All rights reserved.

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

Step 5: Run the file using the command 'node dir_watcher.js'


```
C:\Windows\System32\cmd.exe - node dir_watcher.js
Microsoft Windows [Version 10.0.18362.476]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Intellipaat-Team\Desktop\fs\demo>node dir_watcher.js
```

Step 6: Create a file named 'sample.txt' in the folder named 'check'

This PC > Desktop > fs > demo > check

Quick access
Desktop
Downloads
Documents
Pictures

sample.txt

Step 7: Look at the console and observe the log message


```
C:\Windows\System32\cmd.exe - node dir_watcher.js
Microsoft Windows [Version 10.0.18362.476]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Intellipaat-Team\Desktop\fs\demo>node dir_watcher.js
rename - New Text Document.txt
rename - New Text Document.txt
rename - sample.txt.txt
```