

FILE SYSTEM MODULE

The fs (File System) module in Node.js is a built-in module that provides an interface for interacting with the file system.

It allows you to perform various file operations, such as reading from and writing to files, creating and deleting directories,

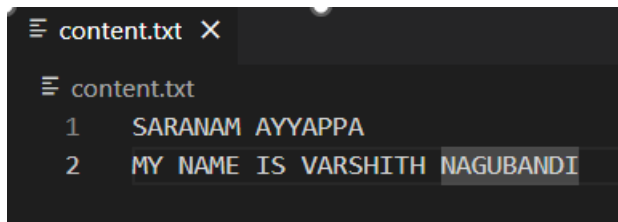
➤ Create Folder or File

➤ Read Files

➤ Renaming Files

➤ Deleting Files

CREATED A TEXT FILE WITH CONTENT



```
content.txt X
content.txt
1 SARANAM AYYAPPA
2 MY NAME IS VARSHITH NAGUBANDI
```

1) `readFile("nameoffiletoread", 'encoder', function)`

`utf8` → converts content to binary to string

```
const fs = require("fs");
fs.readFile("content.txt", "utf8", (error, data) => {
  if (error) {
    console.log(err);
  }
  console.log(data);
});
```

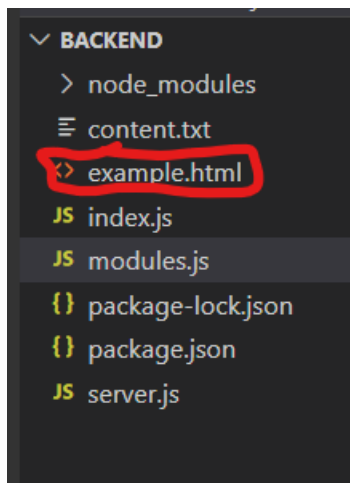
```
PS C:\Users\Lenovo\Desktop\BACKEND> node modules.js
SARANAM AYYAPPA
MY NAME IS VARSHITH NAGUBANDI
```

2)to create the file

`writeFile("nameoffiletocreate",'utf8',function)`

```
modules.js > ...  
const fs = require("fs");  
fs.writeFile("example.html", 'utf8', (error) => {  
  if (error) {  
    console.log(error);  
  }  
  console.log("File created successfully");  
});
```

```
PS C:\Users\Lenovo\Desktop\BACKEND> node modules.js  
File created successfully
```



3) to write content in the existing file

`writeFile("nameofthefiletowrit",content,function)`

```
const fs = require("fs");
const contentSample = "MY NAME IS N V V VARSHITH";
fs.writeFile("example.html", contentSample, (error) => {
  if (error) {
    console.log(error);
  }
  console.log("Content written in file");
});
```

```
<> example.html
1 MY NAME IS N V V VARSHITH
```

```
PS C:\Users\Lenovo\Desktop\BACKEND> node modules.js
Content written in file
```

4) renaming the file

`rename("oldname","newfilename",function)`

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

fs.rename("example.html", "example100.js", (error) => {
  if (error) {
    console.log(error);
  }
  console.log("Name changed successfully");
});
```

```
✓ BACKEND
  > node_modules
  ≡ content.txt
  JS example100.js
  JS index.js
  JS modules.js
  {} package-lock.json
  {} package.json
  JS server.js
```

```
PS C:\Users\Lenovo\Desktop\BACKEND> node modules.js
Name changed successfully
```

5)file deletion

unlink("nameoffiletodelete",function)

```
const fs = require("fs");  
⚡  
fs.unlink("example100.js", (error) => {  
  if (error) {  
    console.log(error);  
  }  
  console.log("File deleted successfully");  
});
```

```
PS C:\Users\Lenovo\Desktop\BACKEND> node modules.js  
File deleted successfully
```