

Sri Chandrasekarendra Saraswati Vidyapuram Sector v, Nerul, Navimumbai-400706

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Experiment No: 10

Aim: - Write a program to implement file system in Node.js
Theory:-

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js helps developers to write JavaScript code to run on the server-side, to generate dynamic content and deliver to the web clients. The two features that make Node.js stand-out are:

Event-driven

# Non-blocking, I/O model

About Node.js file system: To handle file operations like creating, reading, deleting, etc., Node.js provides an inbuilt module called FS (File System). Node.js gives the functionality of file I/O by providing wrappers around the standard POSIX functions. All file system operations can have synchronous and asynchronous forms depending upon user requirements. To use this File System module, use the require() method: var fs = require('fs');

## Common use for File System module:

- Read Files
- Write Files
- Append Files
- Close Files
- Delete Files



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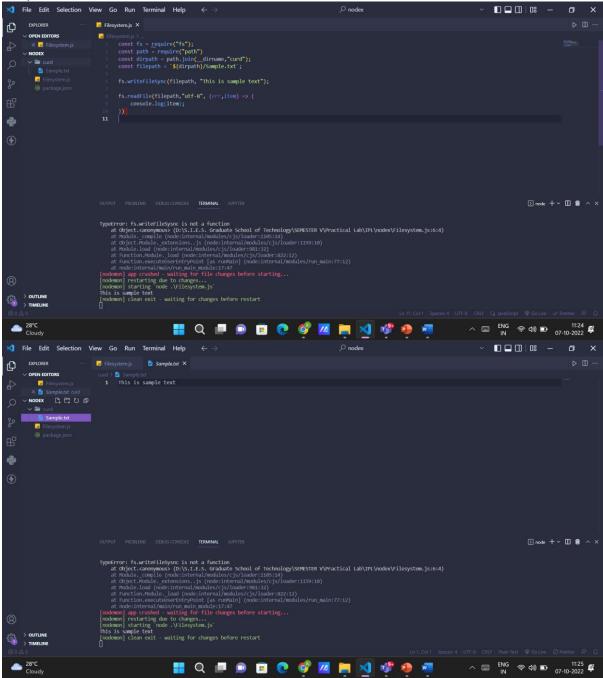
# Code:

```
const fs = require("fs");
const path = require("path")
const dirpath = path.join(__dirname,"curd");
const filepath = `${dirpath}/Sample.txt`;
fs.writeFileSync(filepath, "This is sample text");
fs.readFile(filepath, "utf-8", (err, item) => {
   console.log(item);
})
fs.appendFile(filepath, " To read and append something on these file", (err)
   if(!err) console.log("sample.txt file is created");
});
fs.rename(filepath, `${dirpath}/example.txt`, (err) => {
  if(!err) console.log ("Filename is updated");
});
fs.unlinkSync(`${dirpath}/example.txt`, (del) => {
    if(del) console.log("file is unlinked")
```



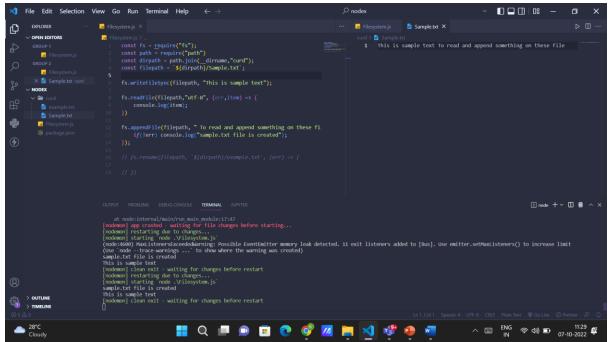
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#### Output:

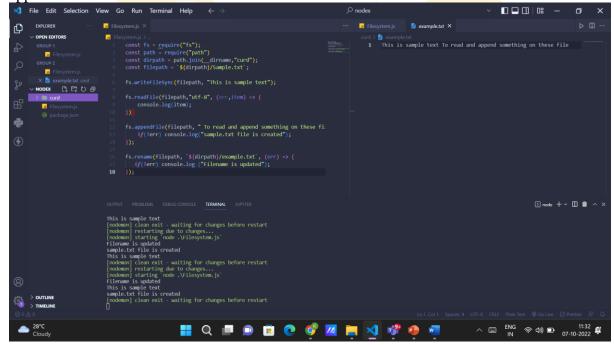




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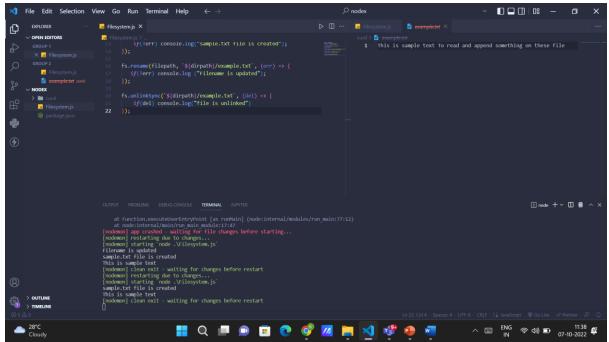
appendFile



UnlinkSync



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# **Conclusion:**

Thus, we have successfully able to implement file system in Node.js