

Ex: 6

FILE SYSTEM MODULE

AIM:

To create a program that executes basis operations on file system using node js.

- **READ FILE**

CODE:

readHTML.js

```
var http = require('http');
var fs = require('fs');
http.createServer(function (req, res) {
  fs.readFile('demo.html', function(err, data) {
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    res.end();
  });
}).listen(8080);
```

demo.html

```
<html>
<body>
<h1>Welcome to Node js</h1>
```

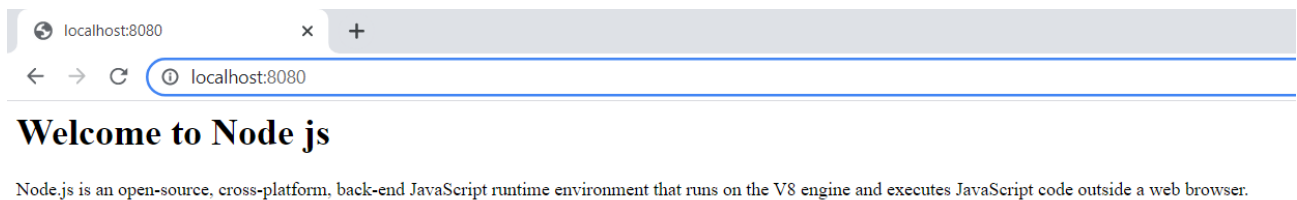
```
<p>Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.
```

```
</p>
```

```
</body>
```

```
</html>
```

OUTPUT:



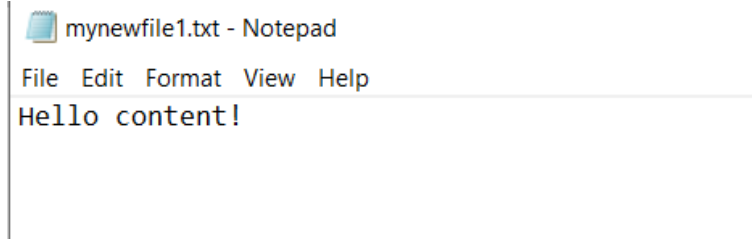
- **APPEND FILE**

CODE:

```
var fs = require('fs');
fs.appendFile('mynewfile1.txt', 'Hello content!', function
(err) {
  if (err) throw err;
  console.log('Saved!');
});
```

OUTPUT:

```
C:\Users\sumai\Desktop\nodejs>node append.js
Saved!
```



- **OPEN FILE**

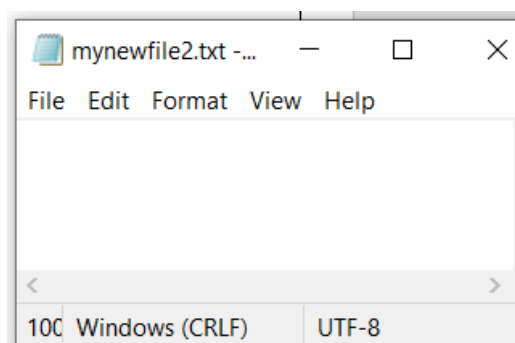
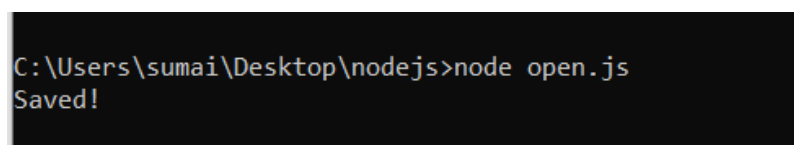
CODE:

```
var fs = require('fs');

fs.open('mynewfile2.txt', 'w', function (err, file) {

  if (err) throw err;
    console.log('Saved!');
});
```

OUTPUT:



- **WRITE FILE**

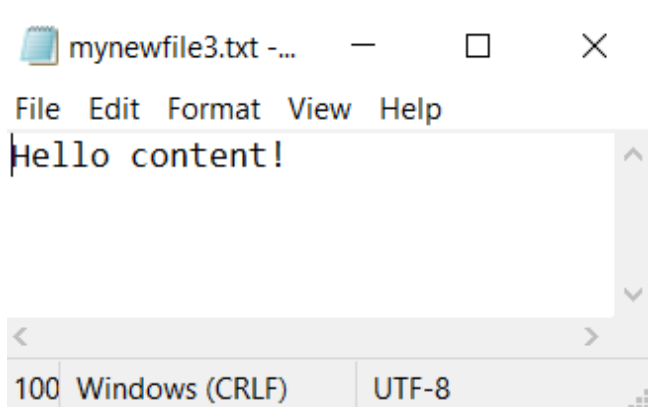
CODE:

```
var fs = require('fs');

fs.writeFile('mynewfile3.txt', 'Hello content!',
  function (err) {
    if (err) throw err;
    console.log('Saved!');
  });
```

OUTPUT:

```
C:\Users\sumai\Desktop\nodejs>node write.js
Saved!
```



- **DELETE FILE**

CODE:

```
var fs = require('fs');



fs.unlink('mynewfile2.txt', function (err) {

  if (err) throw err;

  console.log('File deleted!');
});
```

OUTPUT:

```
C:\Users\sumai\Desktop\nodejs>node delete.js
File deleted!
```

 mynewfile1.txt	07-Sep-21 3:06 PM	Text Document	1 KB
 mynewfile3.txt	07-Sep-21 3:12 PM	Text Document	1 KB

Mynewfile2.txt is deleted.

- **RENAME FILE**

CODE:

```
fs.rename('mynewfile1.txt', 'myrenamedfile.txt', function (err) {
  if (err) throw err;
  console.log('File Renamed!');
});
```

OUTPUT:

```
C:\Users\sumai\Desktop\nodejs>node rename.js  
File Renamed!
```



mynewfile3.txt

07-Sep-21 3:12 PM



myrenamedfile.txt

07-Sep-21 3:06 PM

Mynewfile1.txt is renamed to myrenamedfile.txt