



EXPERIMENT 3.3

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Subject Name: Advanced Internet Programming

Subject Code: 22CAP-686

Aim:

To create a file handling system using Node JS.

Objective:

Read and text file using node.js.

Algorithm:

Step 1: Create a text file

Step 2: Create a function to read a file.

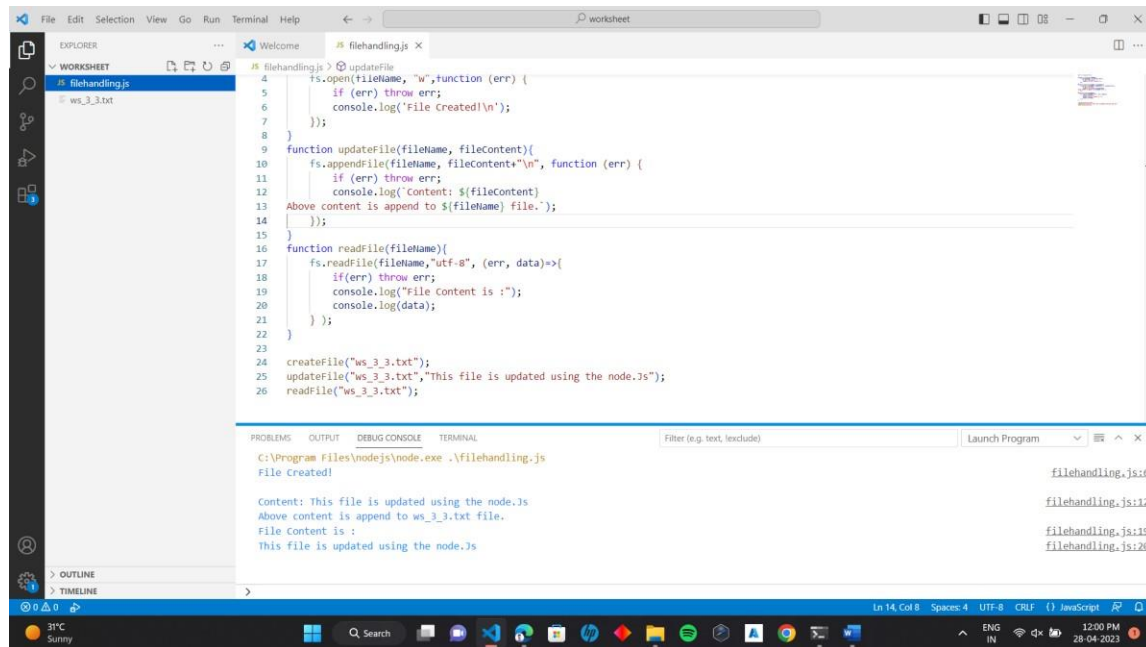
Step 3: Write a function to update the content of the text file.

1) Steps for experiment/practical: copy and paste your code here/screenshots

```
var fs = require('fs'); function
createFile(fileName){
fs.open(fileName, "w",function (err) {
if (err) throw err;
console.log('File Created!\n');
}); } function updateFile(fileName, fileContent){
fs.appendFile(fileName, fileContent+"\n", function (err) {
if (err) throw err;
console.log(`Content: ${fileContent}
Above content is append to ${fileName} file.`);
}); }
function readFile(fileName){
```

```
fs.readFile(fileName,"utf-8", (err, data)=>{           if(err) throw err;
console.log("File Content is :");                      console.log(data);
    } });
} createFile("ws_3_3.txt"); updateFile("ws_3_3.txt","This file is
updated using the node.js"); readFile("ws_3_3.txt");
```

2) Output (screenshots)



The screenshot shows a VS Code editor window with a file named 'filehandling.js'. The code in the editor is as follows:

```
4 fs.open(fileName, "w", function (err) {
5     if (err) throw err;
6     console.log('File Created!\n');
7 });
8
9 function updateFile(fileName, fileContent){
10     fs.appendFile(fileName, fileContent+"\n", function (err) {
11         if (err) throw err;
12         console.log('Content: ' + fileContent);
13         Above content is append to ' + fileName + ' file.';
14     });
15 }
16
17 function readFile(fileName){
18     fs.readFile(fileName,"utf-8", (err, data)=>{
19         if(err) throw err;
20         console.log("File Content is :");
21         console.log(data);
22     } );
23 }
24
25 createFile("ws_3_3.txt");
26 updateFile("ws_3_3.txt","This file is updated using the node.js");
27 readFile("ws_3_3.txt");
```

The terminal output shows the following messages:

```
C:\Program Files\nodejs\node.exe .\filehandling.js
File Created!

Content: This file is updated using the node.js
Above content is append to ws_3_3.txt file.
File Content is :
This file is updated using the node.js
```

4) Learning outcomes (What I have learned): Times new roman 12 size

- A) Create a file
- B) Update a file
- C) Read a file

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		22
2.	Worksheet		8