

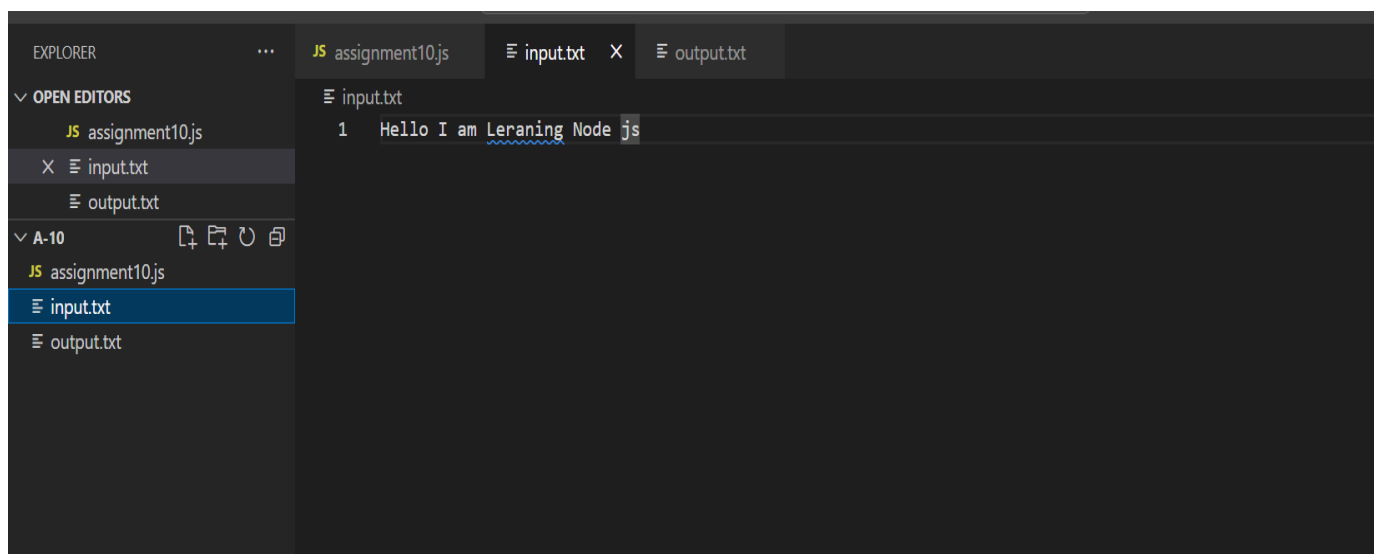
## Practical 10

**Implement Node js program to read data from file "input.txt" and write these data to "output.txt" using concept of streams.**

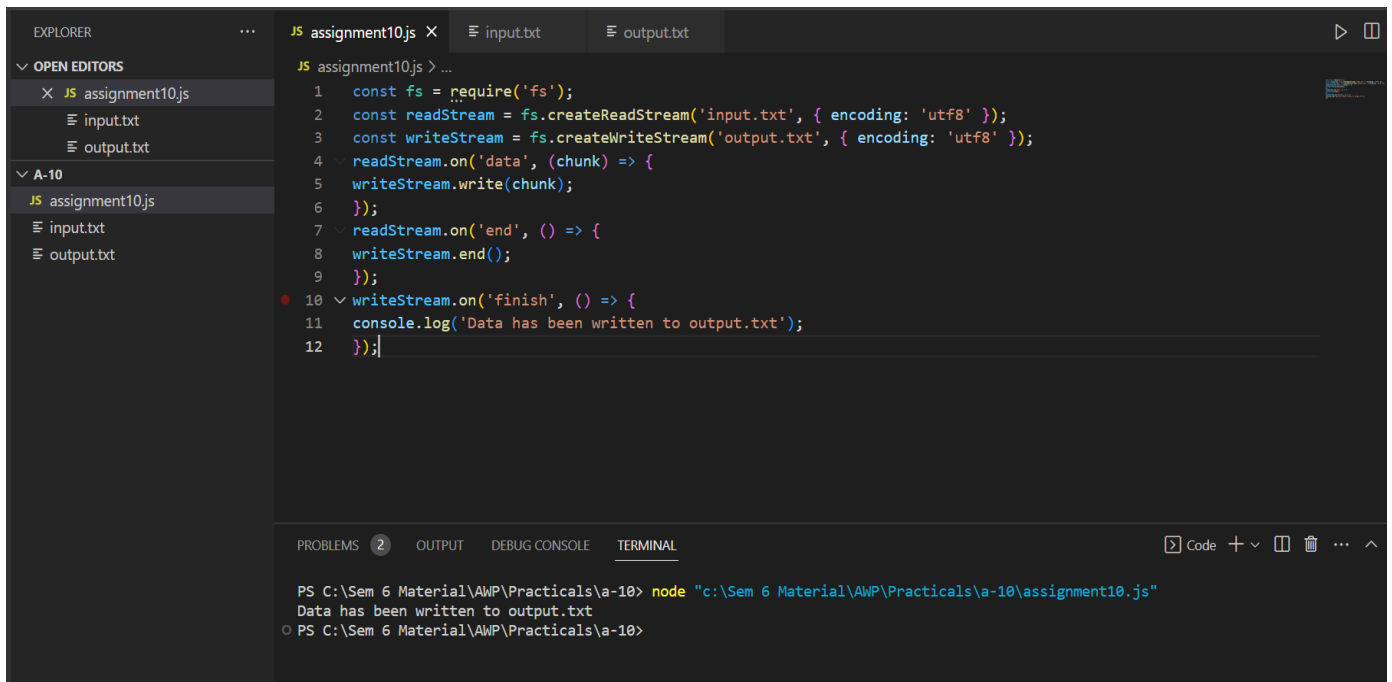
Node Js Code :-

```
const fs = require('fs');
const readStream = fs.createReadStream('input.txt', { encoding:
'utf8' });
const writeStream = fs.createWriteStream('output.txt', { encoding:
'utf8' });
readStream.on('data', (chunk) => {
writeStream.write(chunk);
});
readStream.on('end', () => {
writeStream.end();
});
writeStream.on('finish', () => {
console.log('Data has been written to output.txt');
});
```

Input.txt File:



## Output of Code :-



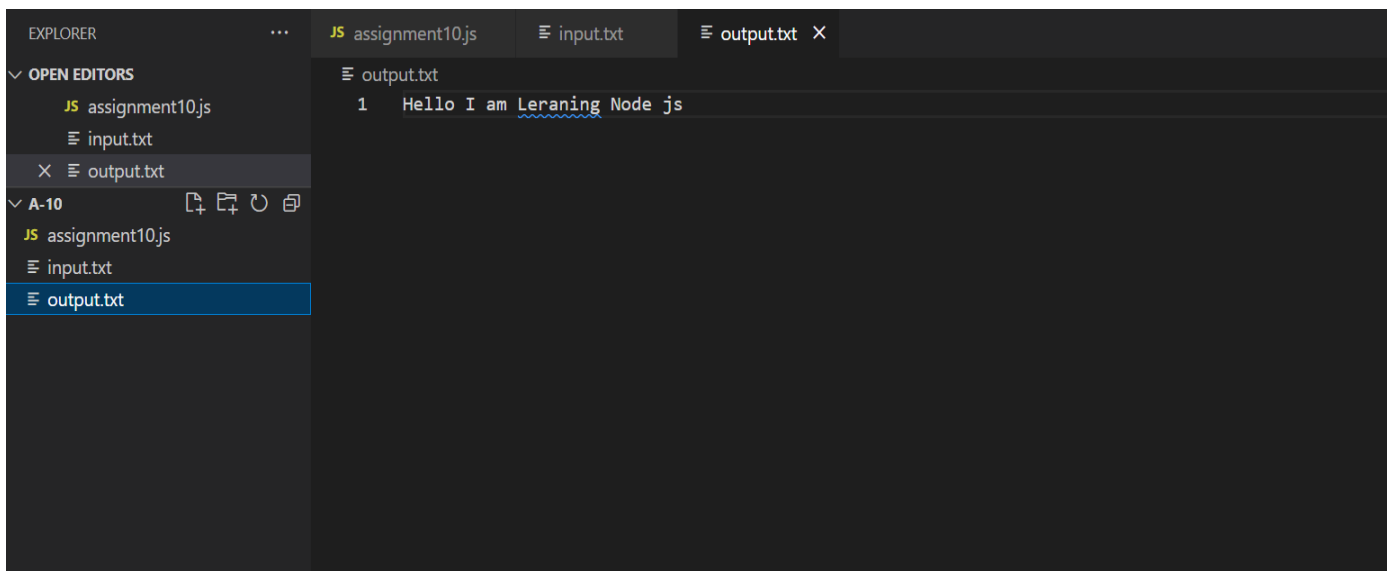
The screenshot shows the Visual Studio Code editor with the file `assignment10.js` open. The code uses Node.js streams to read from `input.txt` and write to `output.txt`. The terminal at the bottom shows the command `node "c:\Sem 6 Material\AWP\Practicals\A-10\assignment10.js"` being executed, resulting in the message "Data has been written to output.txt".

```
JS assignment10.js > ...
1  const fs = require('fs');
2  const readStream = fs.createReadStream('input.txt', { encoding: 'utf8' });
3  const writeStream = fs.createWriteStream('output.txt', { encoding: 'utf8' });
4  readStream.on('data', (chunk) => {
5    writeStream.write(chunk);
6  });
7  readStream.on('end', () => {
8    writeStream.end();
9  });
10 writeStream.on('finish', () => {
11   console.log('Data has been written to output.txt');
12 });
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Sem 6 Material\AWP\Practicals\A-10> node "c:\Sem 6 Material\AWP\Practicals\A-10\assignment10.js"  
Data has been written to output.txt  
PS C:\Sem 6 Material\AWP\Practicals\A-10>

## Output.txt File:



The screenshot shows the Visual Studio Code editor with the file `output.txt` open. The file contains a single line of text: "Hello I am Learning Node js".

```
output.txt
1  Hello I am Learning Node js
```