

Assignment 7

Node.js

.....

Done By:

B.Vignesh CSE 6C 185001193

.....

Aim:

1. Write a Node.js program to do the following:
 - a. Open a file.
 - b. Read the file.
 - c. Truncate the file.
 - d. Read the file.
 - e. Close the file.

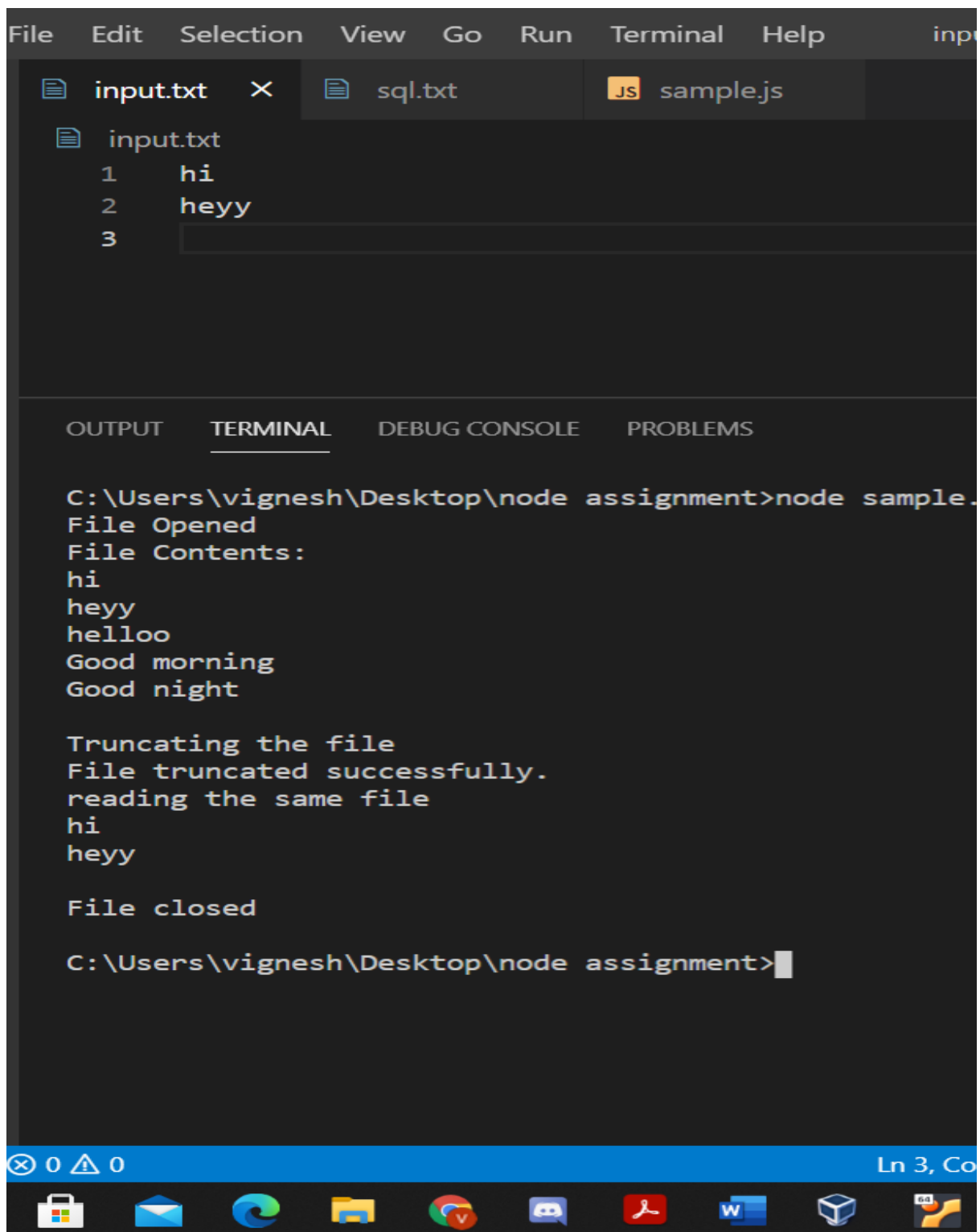
After each read operation print the contents of the file to the console.

Program Code:

```
sample.js - node assignment -
Edit Selection View Go Run Terminal Help
input.txt sql.txt sample.js x
sample.js > fs.open("./input.txt", "r+") callback
1  var fs = require("fs");
2  var buf = Buffer.alloc(1024);
3
4  console.log("File Opened");
5  fs.open("./input.txt", "r+", function(err, fd) {
6      if (err) {
7          return console.error(err);
8      }
9      console.log("File Contents:");
10     var data = fs.readFileSync("./input.txt");
11     console.log(data.toString());
12     console.log("\nTruncating the file");
13     fs.ftruncate(fd, 10, function(err) {
14         if (err) {
15             console.log(err);
16         }
17         console.log("File truncated successfully.");
18         console.log("reading the same file");
19         fs.read(fd, buf, 0, buf.length, 0, function(err, bytes) {
20             if (err) {
21                 console.log(err);
22             }
23             if (bytes > 0) {
24                 console.log(buf.toString());
25             }
26             fs.close(fd, function(err) {
27                 if (err) {
28                     console.log(err);
29                 }
30                 console.log("File closed");
31             });
32         });
33     });
34 });
```

Ln 6, Col 15 Spaces: 4 UTF-8

Output Snapshot:



The image shows a code editor window with three tabs: `input.txt`, `sql.txt`, and `sample.js`. The `input.txt` tab is active, showing the following content:

```
1 hi
2 hey
3
```

Below the editor is a terminal window with tabs for `OUTPUT`, `TERMINAL`, `DEBUG CONSOLE`, and `PROBLEMS`. The `TERMINAL` tab is active, showing the output of a Node.js script executed in the directory `C:\Users\vignesh\Desktop\node assignment`.

```
C:\Users\vignesh\Desktop\node assignment>node sample.
File Opened
File Contents:
hi
hey
helloo
Good morning
Good night

Truncating the file
File truncated successfully.
reading the same file
hi
hey

File closed

C:\Users\vignesh\Desktop\node assignment>
```

The status bar at the bottom indicates 0 errors, 0 warnings, and the cursor is at line 3, column 0.