

UCS1601---Internet Programming

Assignment – 8

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Aim:

To 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.

Code:

input.txt

```
The Big Bang Theory is an American television sitcom
created by Chuck Lorre and Bill Prady, both of whom
served as executive producers on the series, along
with Steven Molaro. All three also served as head writers.
```

index.js

```
var fs = require("fs");
var buf = Buffer.alloc(1024);
fs.open("input.txt", "r+", function(err, fd) {
  if (err) {
    return console.error(err);
  }
  console.log("\tOpening the file.....");
```

```

var data = fs.readFileSync("input.txt");
console.log(data.toString());
console.log("\n\tTruncating the file to 20 characters.....");
fs.ftruncate(fd, 20, function(err) {
    if (err) {
        console.log(err);
    }
    fs.read(fd, buf, 0, buf.length, 0, function(err, bytes) {
        if (err) {
            console.log(err);
        }
        if (bytes > 0) {
            console.log(buf.toString());
        }
        fs.close(fd, function(err) {
            if (err) {
                console.log(err);
            }
            console.log("File closed successfully.");
        });
    });
});
});
});
});

```

Output:

```

C:\Users\ADMIN\Desktop\Semester VI\Courses\IP\Assignments\Assignment 8>node index.js
Opening the file.....
The Big Bang Theory is an American television sitcom
created by Chuck Lorre and Bill Prady, both of whom
served as executive producers on the series, along
with Steven Molaro. All three also served as head writers.

Truncating the file to 20 characters.....
The Big Bang Theory
File closed successfully.

C:\Users\ADMIN\Desktop\Semester VI\Courses\IP\Assignments\Assignment 8>

```