Ukistu10

R.Tharmini

Ques:-01
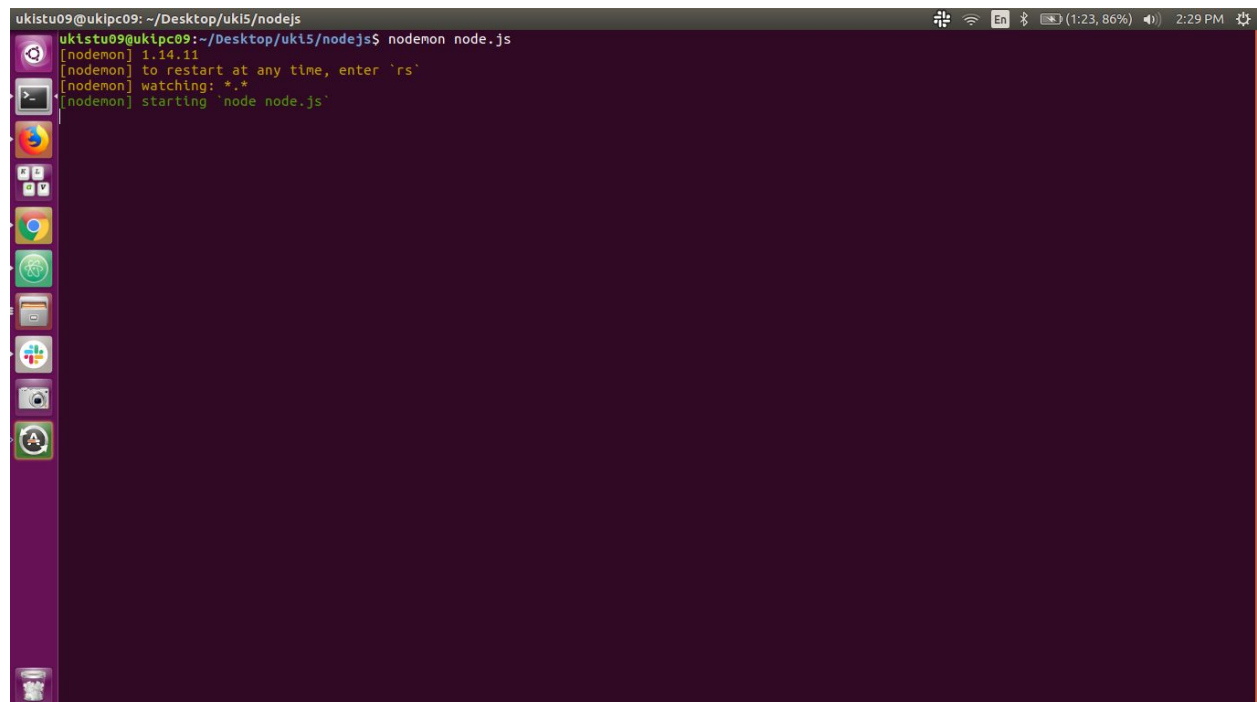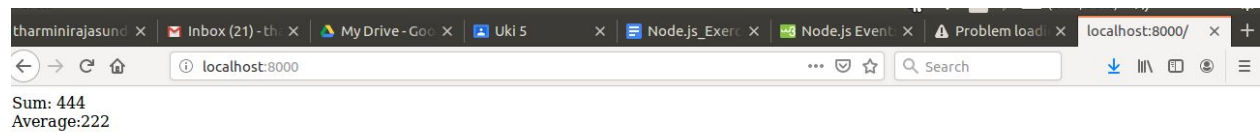
node.js

```
1  var http = require('http');
2  var dt = require('./exercise1.js');
3
4  http.createServer(function (req, res) {
5    res.writeHead(200, {'Content-Type': 'text/html'});
6    res.write("Sum: " + dt.sum() +"<br>"  +"Average:"+dt.avg());
7    res.end();
8  }).listen(8000);
9
```

LF   UTF-8   JavaScript

```javascript
exports.sum=function(x,y) {
var x=123;
var y=321;
return (x+y);
};
exports.avg=function(x,y) {
var x=123;
var y=321;
return (x+y)/2;
};
```

`node1.js`

LF   UTF-8   JavaScript   master   98 files

```
ukistu09@ukipc09:~/Desktop/uki5/nodejs$ nodemon node.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node.js`
```

ⓘ localhost:8000

Sum: 444
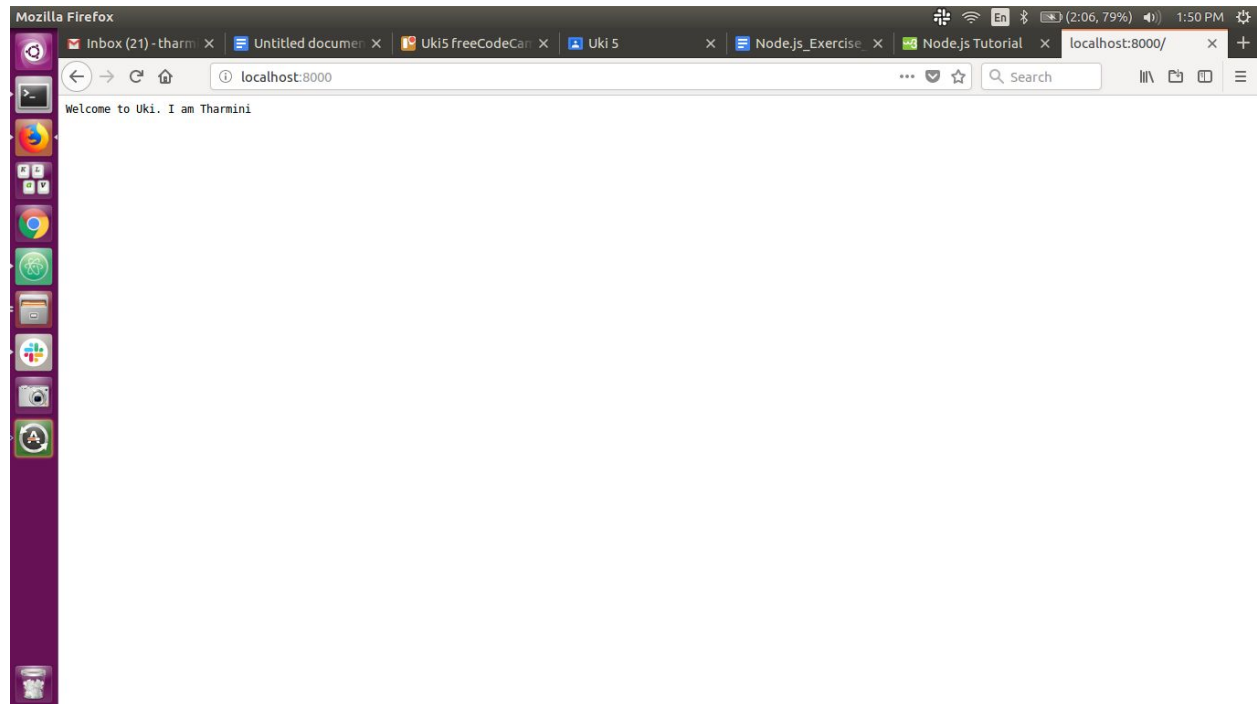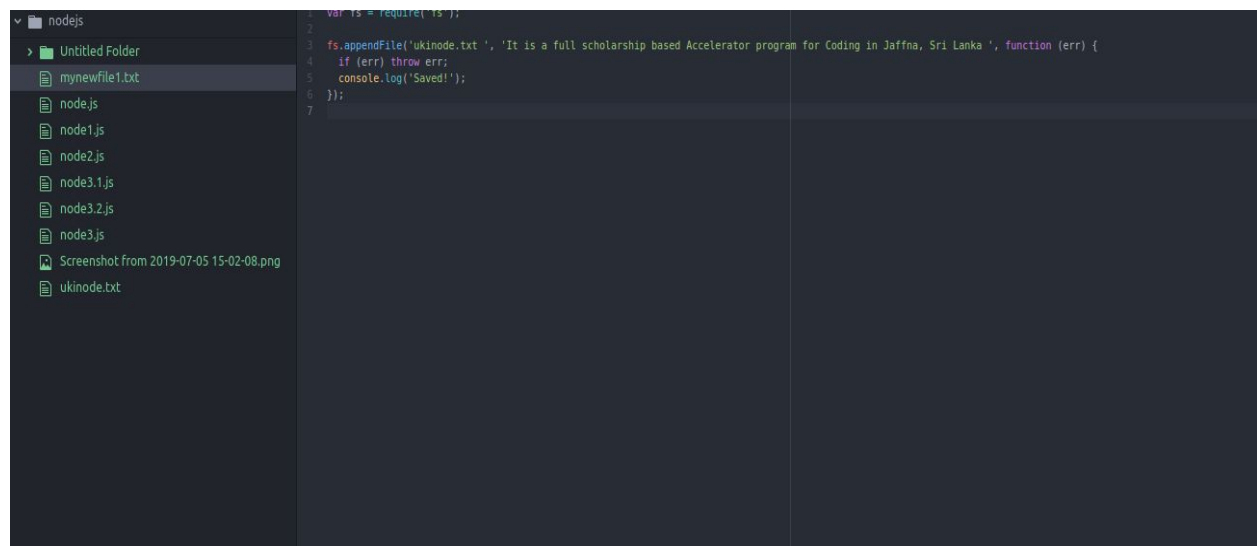Average:222

Ques:-02

```
                    node2.js
1  var http = require('http');
2
3  http.createServer(function (req, res) {
4    res.writeHead(200, {'Content-Type': 'text/plain'});
5    res.end('Welcome to Uki. I am Tharmini');
6  }).listen(8000);
7
```

```
ukistu09@ukipc09:~/Desktop/uki5/nodejs$ nodemon node2.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node2.js`
```

Welcome to Uki. I am Tharmini

Ques3

1)


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

fs.appendFile('ukinode.txt ', 'It is a full scholarship based Accelerator program for Coding in Jaffna, Sri Lanka ', function (err) {
  if (err) throw err;
  console.log('Saved!');
});
```

```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
```

2)

```
node3.1.js

1  var http = require('http');
2  var fs = require('fs');
3  http.createServer(function (req, res) {
4    fs.readFile('ukinode.txt', function(err, data) {
5      res.writeHead(200, {'Content-Type': 'text/html'});
6      res.write(data);
7      res.end();
8    });
9  }).listen(8000);
```

```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.1.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.1.js`
```

3)

```
                node3.2.js
1   var fs = require('fs');
2
3   fs.appendFile('ukinode.txt', 'Uki is aimed to provide the necessary training to enter Computer Software industry.', function (err) {
4     if (err) throw err;
5     console.log('Saved!');
6   });
7
```

```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.2.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.2.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
```

4)

```
  darmi@darmi-HP-250-G6-Notebook-PC: ~/Desktop/uki5/nodejs
darmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.3.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.3.js`
File Renamed!
[nodemon] clean exit - waiting for changes before restart
```

```
node3.3.js

var fs = require('fs');

fs.rename( 'ukinode2.txt','ukinodejsexercise1.txt', function (err) {
  if (err) throw err;
  console.log('File Renamed!');
});
```

5)

```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.4.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.4.js`
File deleted!
[nodemon] clean exit - waiting for changes before restart
```

node3.4.js

```
1
2  var fs = require('fs');
3
4  fs.unlink('ukinodejsexercise1.txt', function (err) {
5    if (err) throw err;
6    console.log('File deleted!');
7  });
8  |
```

```
darmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node3.4.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node3.4.js`
File deleted!
[nodemon] clean exit - waiting for changes before restart
```

Ques:4

```
node4.js

1
2  var http = require('http');
3  var url = require('url');
4  var fs = require('fs');
5
6  http.createServer(function (req, res) {
7    var q = url.parse(req.url, true);
8    var filename = "." + q.pathname;
9    fs.readFile(filename, function(err, data) {
0      if (err) {
1        res.writeHead(404, {'Content-Type': 'text/html'});
2        return res.end("404 Not Found");
3      }
4      res.writeHead(200, {'Content-Type': 'text/html'});
5    res.write(req.url);
6      res.write(data);
7      return res.end();
8    });
9  }).listen(8080);
0
```

```
darmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node4.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node4.js`
```

/tail.html You have got tail

/head.html You have got head

Ques5

```
darmi@darmi-HP-250-G6-Notebook-PC:~$ npm install upper-case
/home/darmi
└── upper-case@1.1.3

npm WARN enoent ENOENT: no such file or directory, open '/home/darmi/package.json'
npm WARN darmi No description
npm WARN darmi No repository field.
npm WARN darmi No README data
npm WARN darmi No license field.
darmi@darmi-HP-250-G6-Notebook-PC:~$ █
```
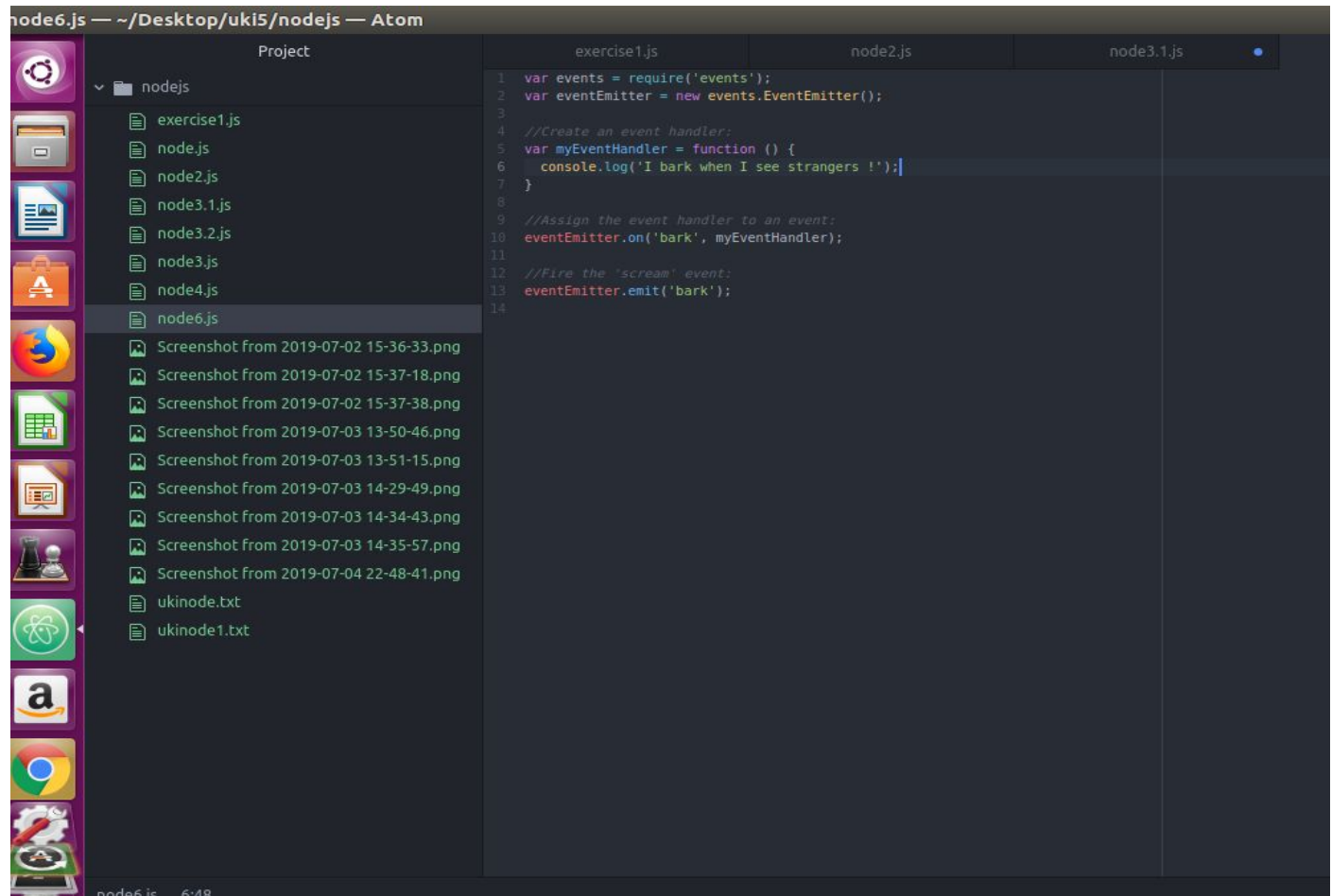
```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node5.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node5.js`
```

UKI IS THE BEST PLACE TO LEARN PROGRAMMING !

Ques6

```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node6.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node6.js`
I bark when I see strangers !
[nodemon] clean exit - waiting for changes before restart
```

```
node6.js — ~/Desktop/uki5/nodejs — Atom

Project                                    exercise1.js        node2.js        node3.1.js

nodejs                              1   var events = require('events');
                                    2   var eventEmitter = new events.EventEmitter();
  exercise1.js                      3
  node.js                           4   //Create an event handler:
  node2.js                          5   var myEventHandler = function () {
  node3.1.js                        6     console.log('I bark when I see strangers !');
  node3.2.js                        7   }
  node3.js                          8
  node4.js                          9   //Assign the event handler to an event:
  node6.js                          10  eventEmitter.on('bark', myEventHandler);
  Screenshot from 2019-07-02 15-36-33.png  11
  Screenshot from 2019-07-02 15-37-18.png  12  //Fire the 'scream' event:
  Screenshot from 2019-07-02 15-37-38.png  13  eventEmitter.emit('bark');
  Screenshot from 2019-07-03 13-50-46.png  14
  Screenshot from 2019-07-03 13-51-15.png
  Screenshot from 2019-07-03 14-29-49.png
  Screenshot from 2019-07-03 14-34-43.png
  Screenshot from 2019-07-03 14-35-57.png
  Screenshot from 2019-07-04 22-48-41.png
  ukinode.txt
  ukinode1.txt
```

Ques7

1)


```
^Cdarmi@darmi-HP-250-G6-Notebook-PC:~/Desktop/uki5/nodejs$ nodemon node7
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node node7.js`
```

```
darmi@darmi-HP-250-G6-Notebook-PC:~$ npm install formidable
/home/darmi
└── formidable@1.2.1

npm WARN enoent ENOENT: no such file or directory, open '/home/darmi/package.json'
npm WARN darmi No description
npm WARN darmi No repository field.
npm WARN darmi No README data
npm WARN darmi No license field.
darmi@darmi-HP-250-G6-Notebook-PC:~$
```
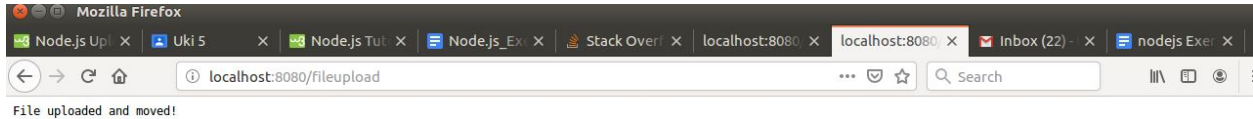
2)