

9.2 Lab Task (HTML Rendering, NPM, File Operations, Nodemailer)

Task1:

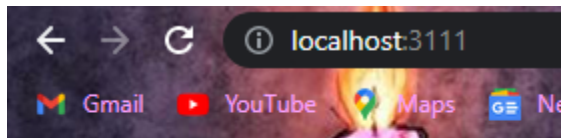
Code:

```
var http = require('http');
var fs = require('fs');
http.createServer(function (req, res) {
  fs.readFile('task1.html', function(err, data) {
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    return res.end();
  });
}).listen(3111);
```

Output Command:

```
PS C:\Users\Hyder\Desktop\Task1> node task1.js
```

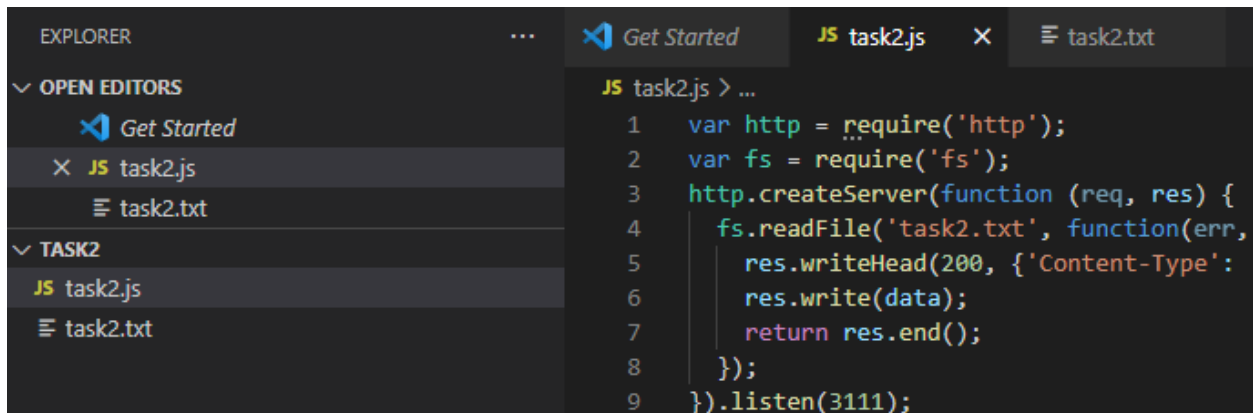
Output:



1. ME
2. WALEED
3. and Pakory

Task2:

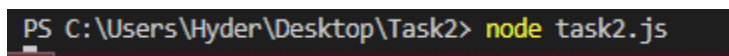
Code:

The image shows the Visual Studio Code interface. On the left, the Explorer sidebar is open, showing the 'OPEN EDITORS' section with 'Get Started', 'task2.js', and 'task2.txt'. Below it, the 'TASK2' section shows 'task2.js' and 'task2.txt'. The main editor area displays the code for 'task2.js' with line numbers 1 through 9.

```
JS task2.js > ...
1  var http = require('http');
2  var fs = require('fs');
3  http.createServer(function (req, res) {
4      fs.readFile('task2.txt', function(err,
5          res.writeHead(200, {'Content-Type':
6              res.write(data);
7              return res.end();
8          });
9  }).listen(3111);
```

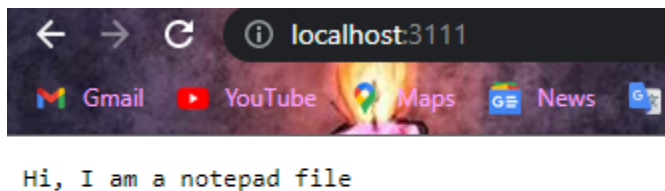
```
var http = require('http');
var fs = require('fs');
http.createServer(function (req, res) {
    fs.readFile('task2.txt', function(err, data) {
        res.writeHead(200, {'Content-Type': 'text/plain'});
        res.write(data);
        return res.end();
    });
}).listen(3111);
```

Output Command:

A terminal window showing the command 'node task2.js' being executed in a PowerShell prompt at the path 'C:\Users\Hyder\Desktop\Task2'.

```
PS C:\Users\Hyder\Desktop\Task2> node task2.js
```

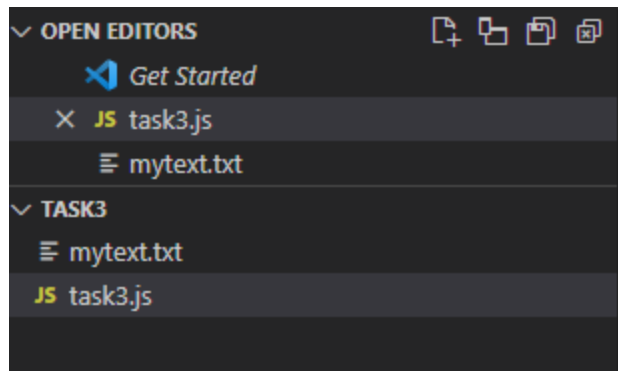
Output:

A screenshot of a web browser window. The address bar shows 'localhost:3111'. Below the address bar are icons for Gmail, YouTube, Maps, News, and a search icon. The main content area displays the text 'Hi, I am a notepad file'.

```
localhost:3111
Gmail YouTube Maps News
Hi, I am a notepad file
```

Task3:

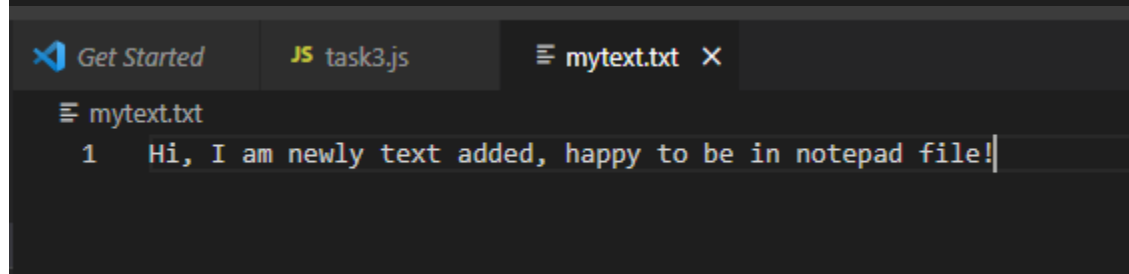
Code:



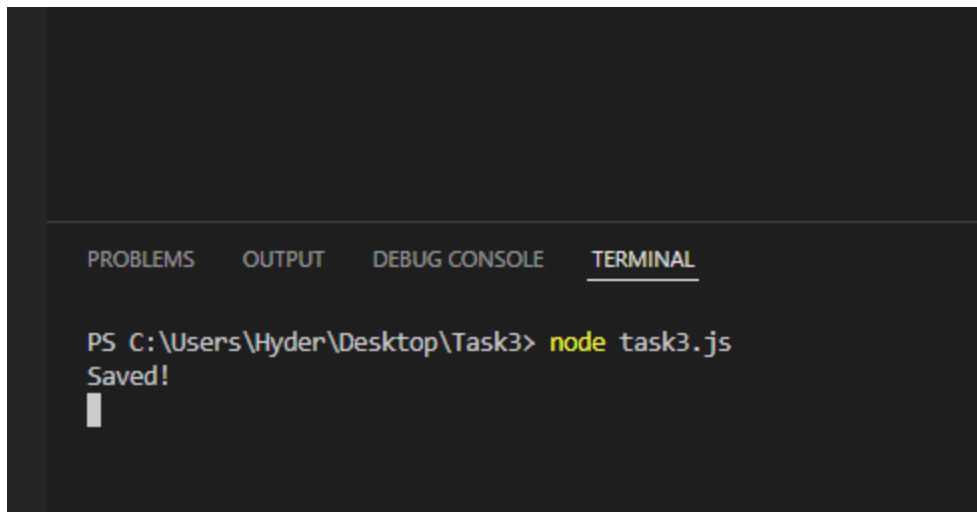
```
var fs = require('fs');

fs.appendFile('mytext.txt', 'I am Appended ONE', function (err) {
  if (err) throw err;
  console.log('Saved!');
});

var http = require('http');
http.createServer(function (req, res) {
  fs.readFile('mytext.txt', function(err, data) {
    res.writeHead(200, {'Content-Type': 'text/plain'});
    res.write(data);
    return res.end();
  });
}).listen(3111);
```



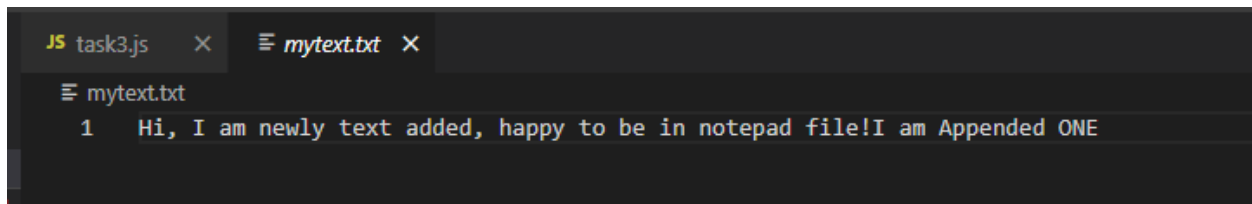
Output Command:



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\Hyder\Desktop\Task3> node task3.js
Saved!
```

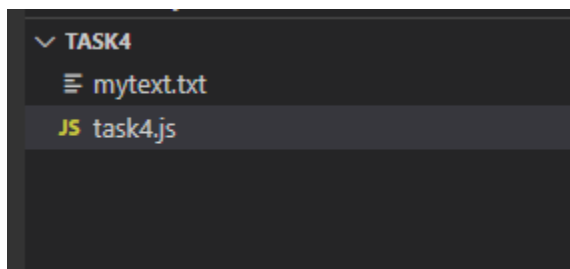
Output:



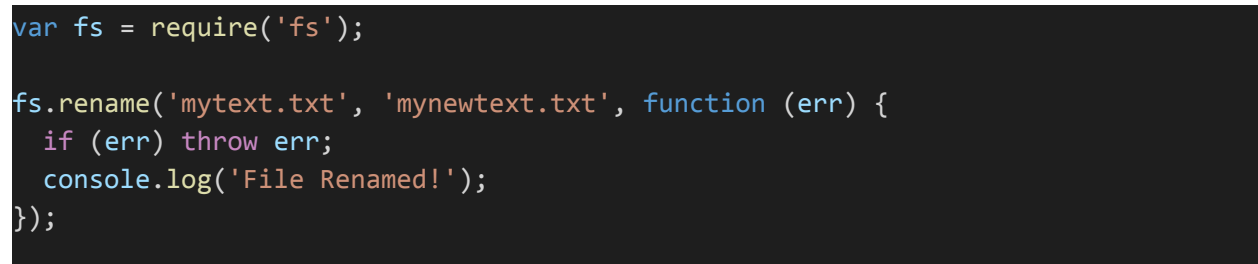
```
JS task3.js x mytext.txt x
mytext.txt
1 Hi, I am newly text added, happy to be in notepad file!I am Appended ONE
```

Task4:

Code:



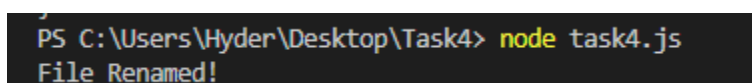
```
▼ TASK4
  mytext.txt
  JS task4.js
```



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

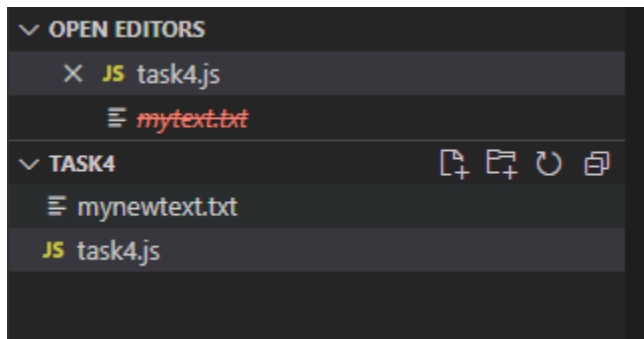
fs.rename('mytext.txt', 'mynewtext.txt', function (err) {
  if (err) throw err;
  console.log('File Renamed!');
});
```

Output Command:



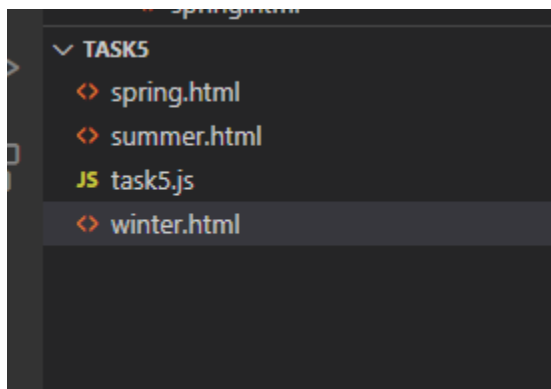
```
PS C:\Users\Hyder\Desktop\Task4> node task4.js
File Renamed!
```

Output:



Task5:

Code:



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

http.createServer(function (req, res) {
  var q = url.parse(req.url, true);
  var filename = "." + q.pathname;
  fs.readFile(filename, function(err, data) {
    if (err) {
      res.writeHead(404, {'Content-Type': 'text/html'});
      return res.end("404 Not Found");
    }
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    return res.end();
  });
}).listen(3111);
```

Winter.html:

```
<!DOCTYPE html>
<html>
<body>
<h1>Winter</h1>
<p>I love the snow!</p>
</body>
</html>
```

Summer.html:

```
<!DOCTYPE html>
<html>
<body>
<h1>Summer</h1>
<p>I love the sun!</p>
</body>
</html>
```

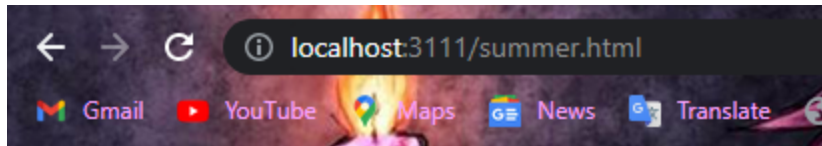
Spring.html:

```
<!DOCTYPE html>
<html>
<body>
<h1>Spring</h1>
<p>I love the LEAVES!</p>
</body>
</html>
```

Output Command:

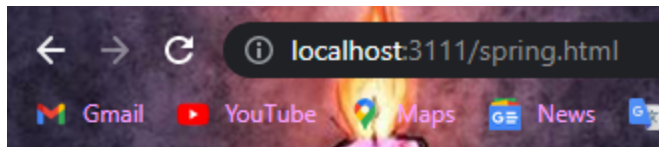
```
PS C:\Users\Hyder\Desktop\Task5> node task5.js
```

Output:



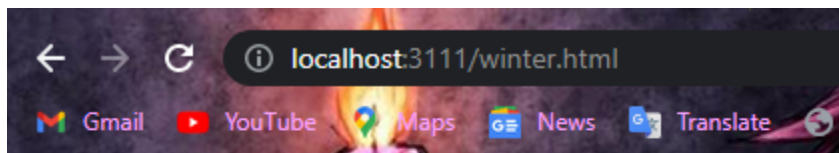
Summer

I love the sun!



Spring

I love the LEAVES!



Winter

I love the snow!

Task6:

Code:

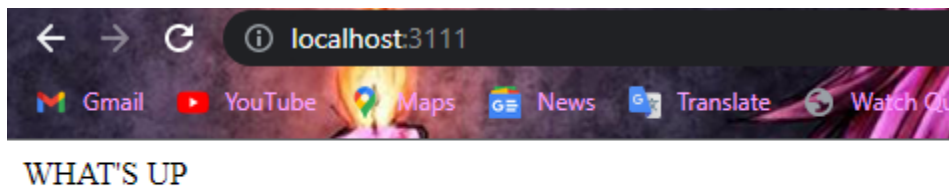
```
var http = require('http');
var uc = require('upper-case');
http.createServer(function (req, res) {
```

```
res.writeHead(200, {'Content-Type': 'text/html'});
res.write(uc.toUpperCase("what's up"));
res.end();
}).listen(3111);
```

Output Command:

```
PS C:\Users\Hyder\Desktop\Task6> node task6.js
```

Output:



Task 7:

Code:

```
var http = require('http');
var formidable = require("formidable");
var fs = require('fs');

http.createServer(function (req, res) {
  if (req.url == '/fileupload') {
    var form = new formidable.IncomingForm();
    form.parse(req, function (err, fields, files) {
      var oldpath = files.fileupload.filepath;
      var newpath = 'C:\Users\Hyder\Desktop\Task7\TEMPFORLDER' +
files.fileupload.originalFilename;
      fs.rename(oldpath, newpath, function (err) {
        if (err) throw err;
        res.write('File Moved');
        res.end();
      });
    });
  } else {
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write('<form action="fileupload" method="post" enctype="multipart/form-
data">');
```

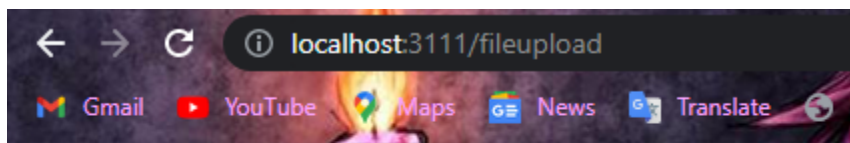
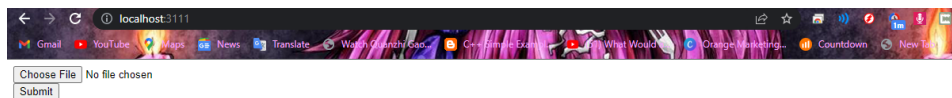


```
res.write('<input type="file" name="filetoupload"><br>');  
res.write('<input type="submit">');  
res.write('</form>');  
return res.end();  
}  
}).listen(3111);
```

Output Command:

```
PS C:\Users\Hyder\Desktop\Task7> node task7.js
```

Output:



File Moved

