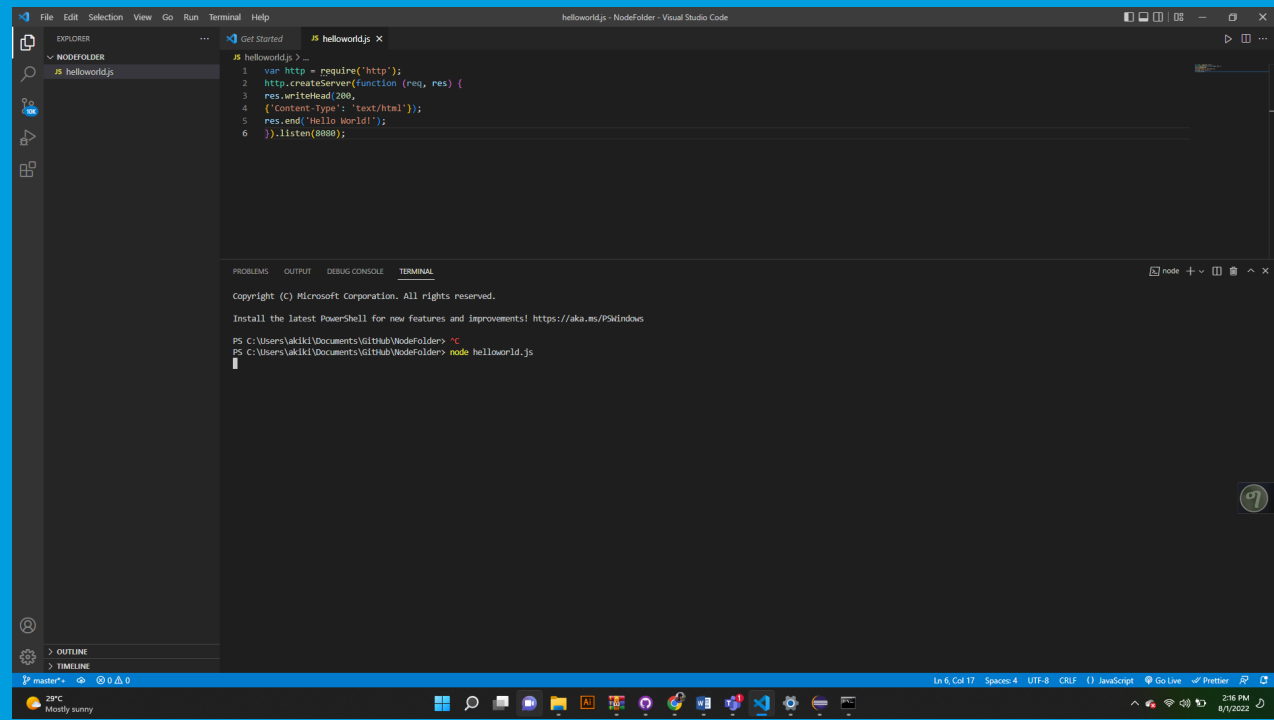


Exercise N1



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a folder named 'NODEFOLDER' containing a file 'helloworld.js'. The main editor area displays the content of 'helloworld.js', which is a simple HTTP server using Node.js and the 'http' module. The code is as follows:

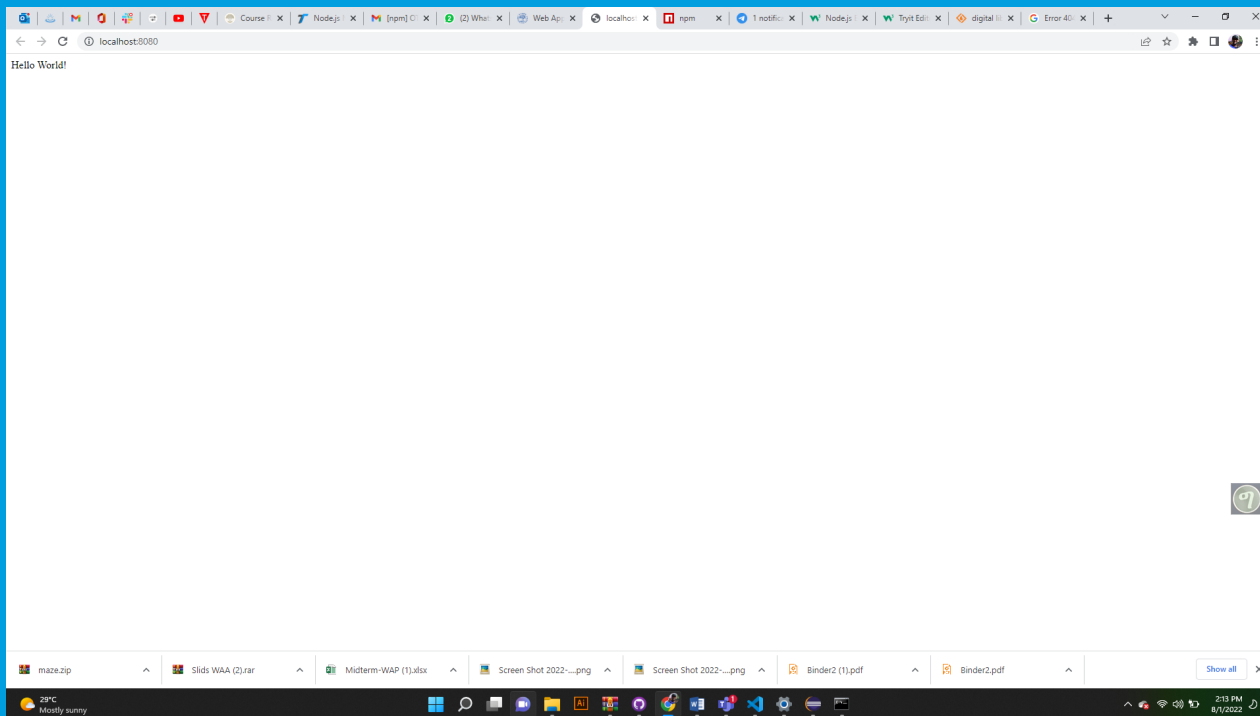
```
1 var http = require('http');
2 http.createServer(function (req, res) {
3   res.writeHead(200,
4     {'Content-Type': 'text/html'});
5   res.end('Hello World!');
6 }).listen(8080);
```

Below the editor, the TERMINAL panel is open, showing the command prompt output. It displays the copyright notice for Microsoft Corporation, a link to PowerShell updates, and the execution of the 'node helloworld.js' command, which has started the server.

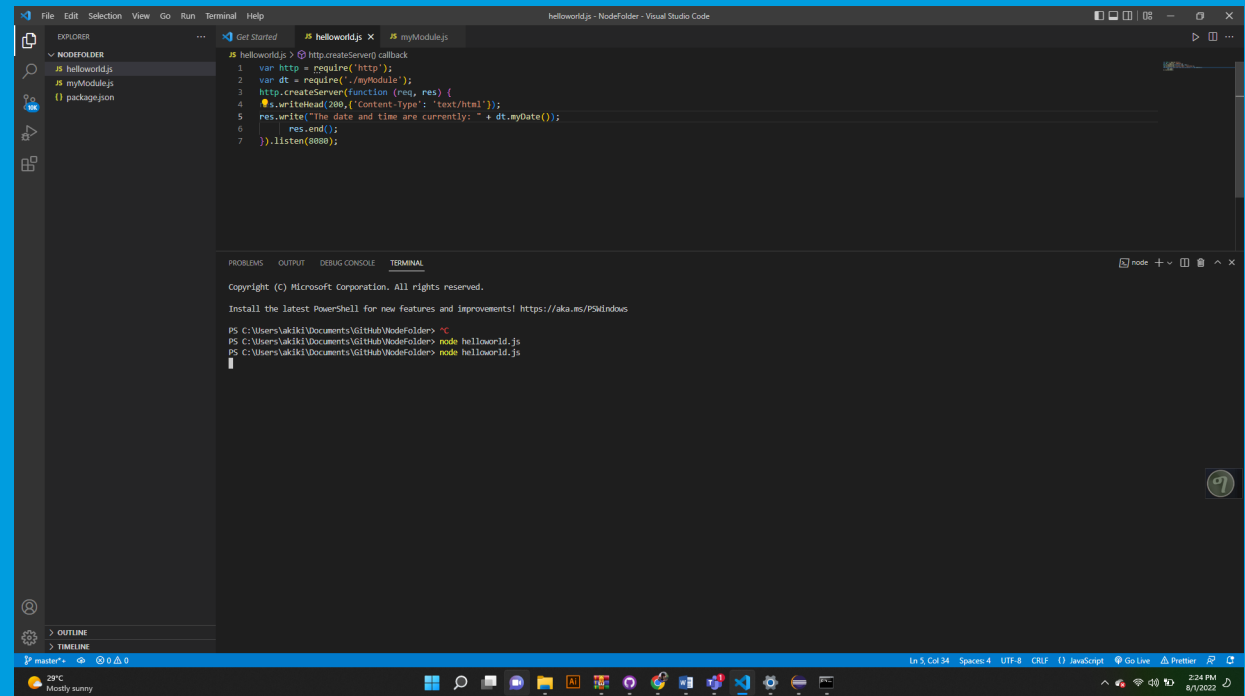
```
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\vakkil\Documents\Github\NodeFolder> node helloworld.js
```



Exercise N2



```
File Edit Selection View Go Run Terminal Help
helloworld.js - NodeFolder - Visual Studio Code

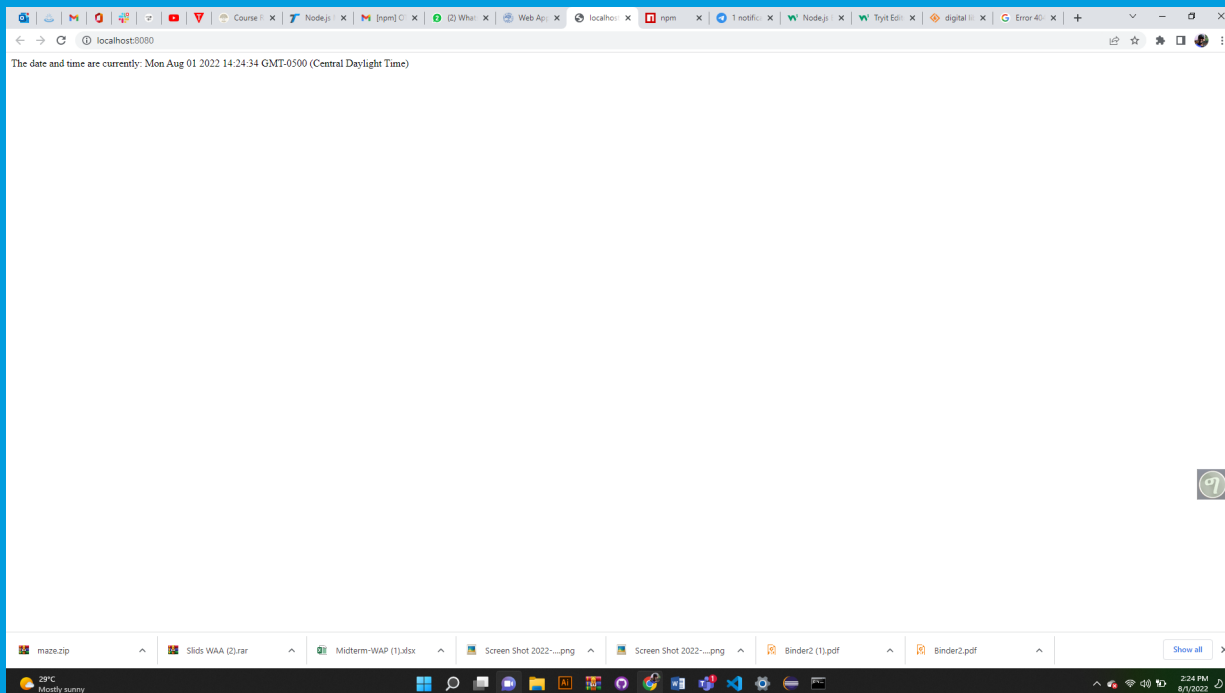
EXPLORER
  NODEFOLDER
    helloworld.js
    myModule.js
    package.json

myModule.js
1 var http = require('http');
2 var dt = require('./myModule');
3 http.createServer(function (req, res) {
4   res.writeHead(200, {'Content-Type': 'text/html'});
5   res.write("The date and time are currently: " + dt.myDate());
6   res.end();
7 }).listen(8080);

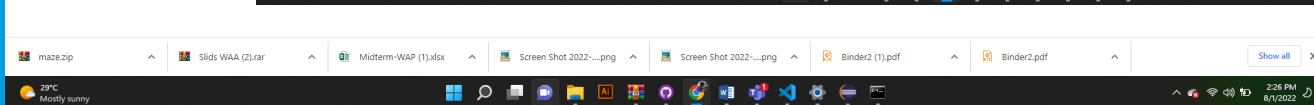
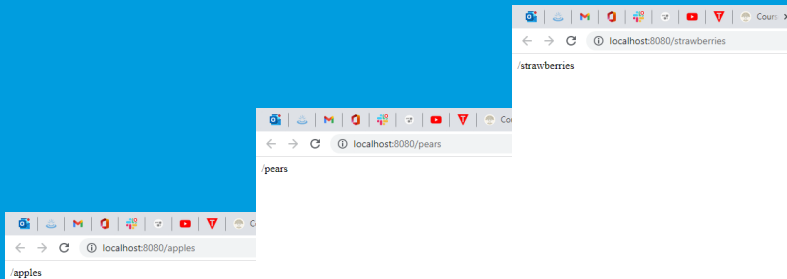
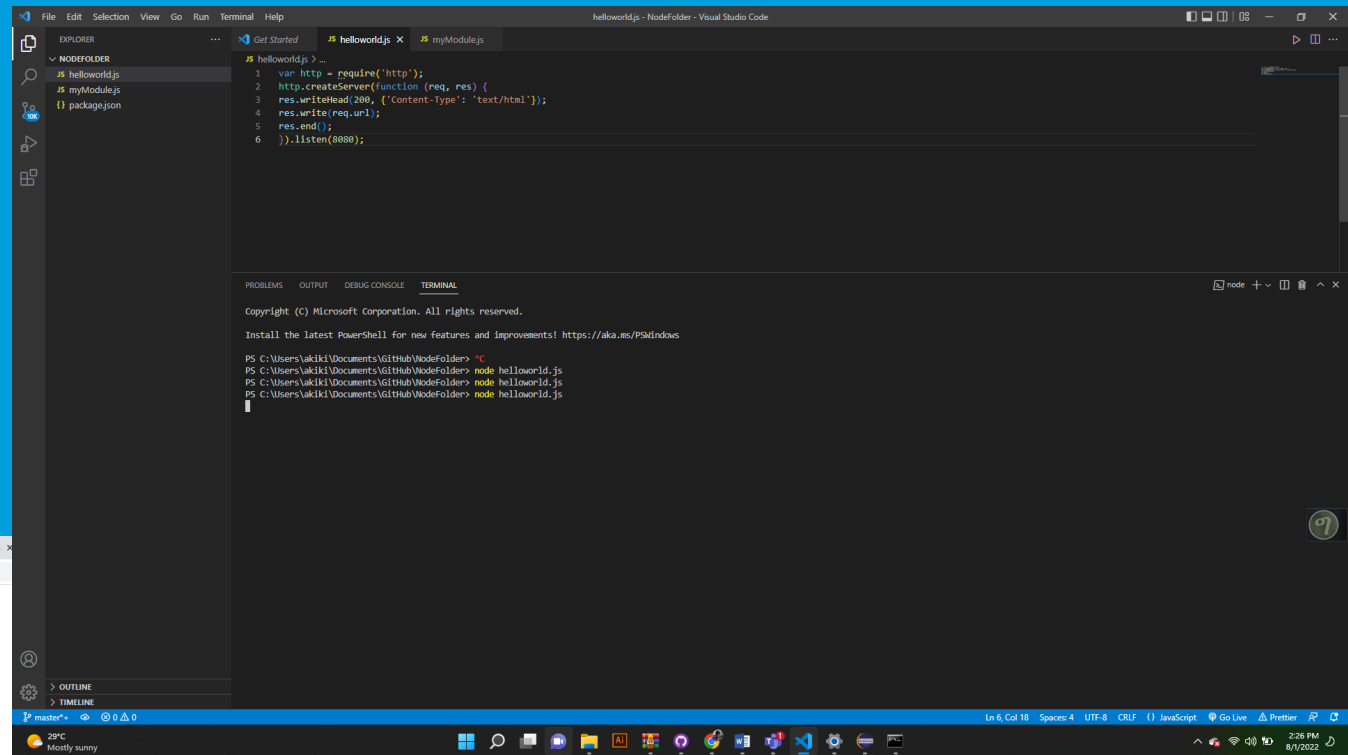
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\vakiki\Documents\Github\NodeFolder> node helloworld.js
PS C:\Users\vakiki\Documents\Github\NodeFolder> node helloworld.js
```



Exercise N3



Exercise N4

The image displays a development environment with a Visual Studio Code editor and a web browser. The editor shows a file named `adderWebServer.js` with the following JavaScript code:

```
1 var http = require('http');
2 var url = require('url');
3 var fs = require('fs');
4 var addmod = require('./addmod.js');
5 http.createServer(function (req, res) {
6   var q = url.parse(req.url, true);
7   var filename = "." + q.pathname;
8   if (q.pathname !== "/add.js")
9     addmod.add(req, res, q.query);
10  }
11  else
12    fs.readFile(filename, function(err, data) {
13      if (err) {
14        res.writeHead(404, {'Content-Type': 'text/html'});
15        return res.end("404 Not Found");
16      }
17      res.writeHead(200); // Content-Type not included
18      res.write(data);
19      return res.end();
20    }).listen(8888);
```

The browser window shows the web application running at `localhost:8080/SimpleAdder.html`. It features a form with the label "Enter two numbers" and two input fields. The first input field contains the value "200" and the second contains "400". A "Click" button is located below the input fields. The output of the application is displayed below the form, showing "The sum is: 600".

The Visual Studio Code interface includes a file explorer on the left showing the project structure, a terminal at the bottom with the command `node adderWebServer.js` executed, and a status bar at the very bottom indicating the current file and line number.