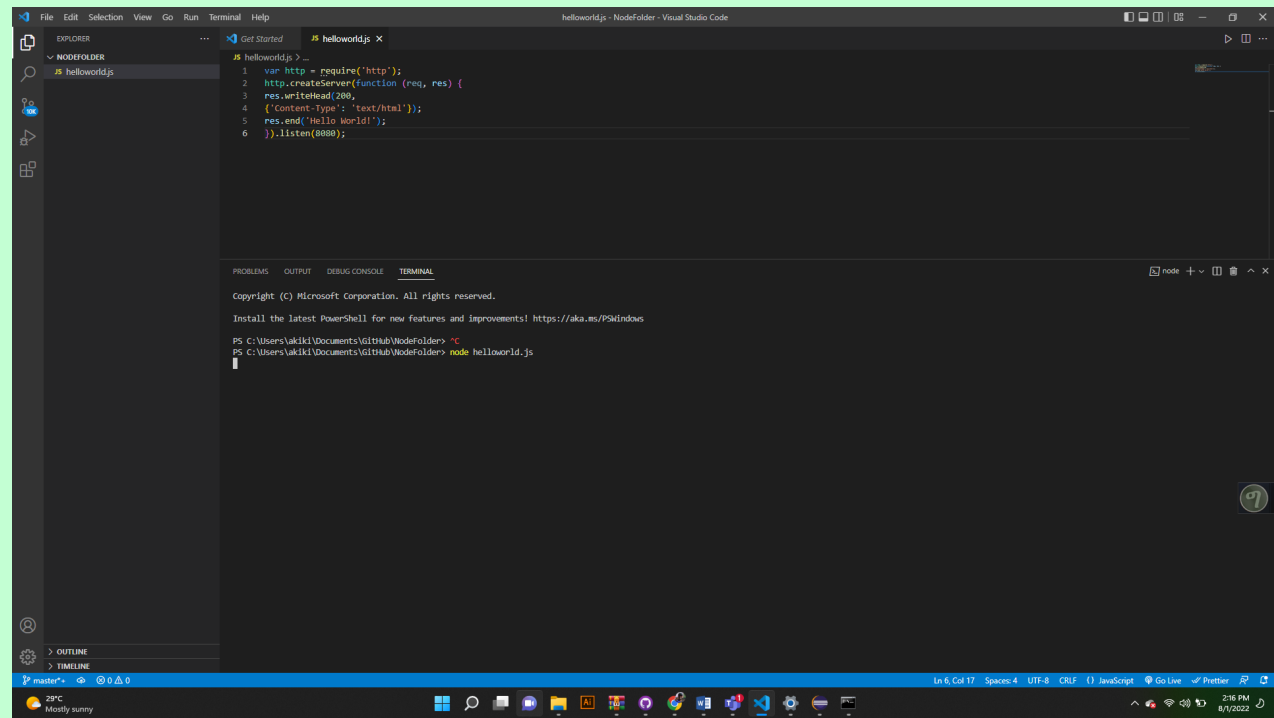


# Exercise N1



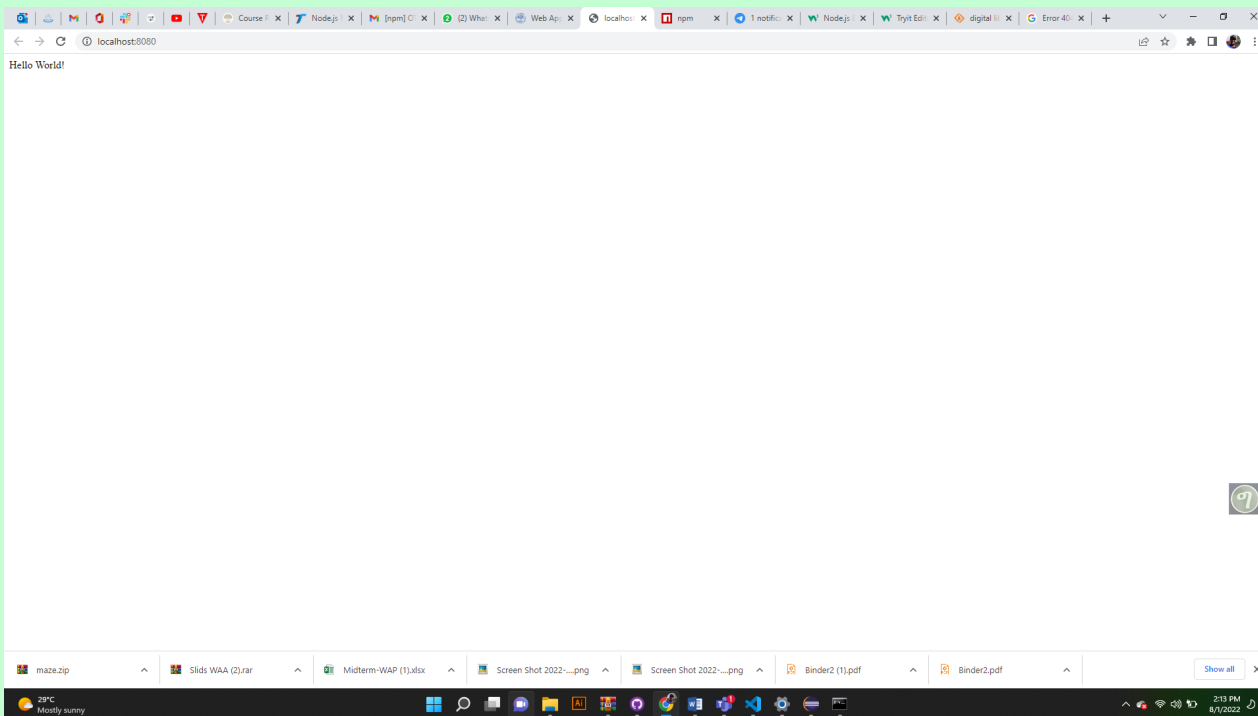
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `helloworld.js` under the `NODEFOLDER`. The main editor area displays the content of `helloworld.js`:

```
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);
```

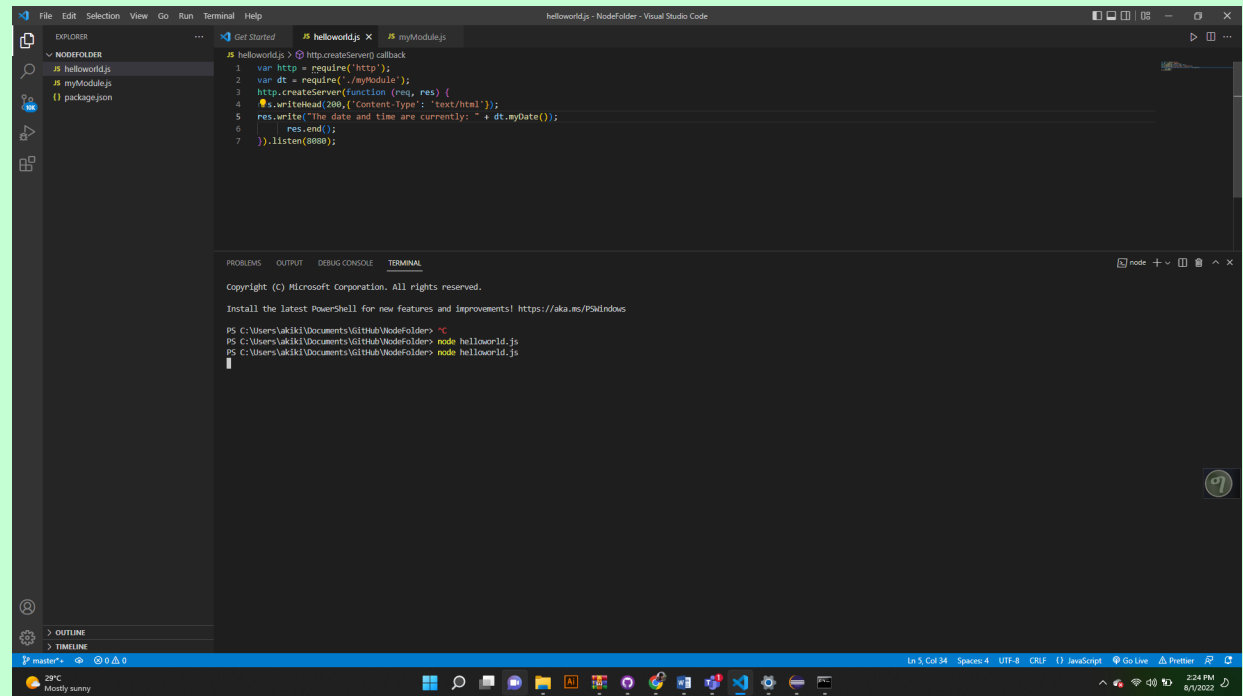
The Terminal pane at the bottom shows the command prompt output:

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

The status bar at the bottom indicates the file is `helloworld.js` at line 6, column 17, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows the date and time as 2:16 PM on 8/1/2022.



# Exercise N2



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing 'NODEFOLDER', 'helloworld.js', 'myModule.js', and 'package.json'. The main editor displays 'helloworld.js' with the following JavaScript code:

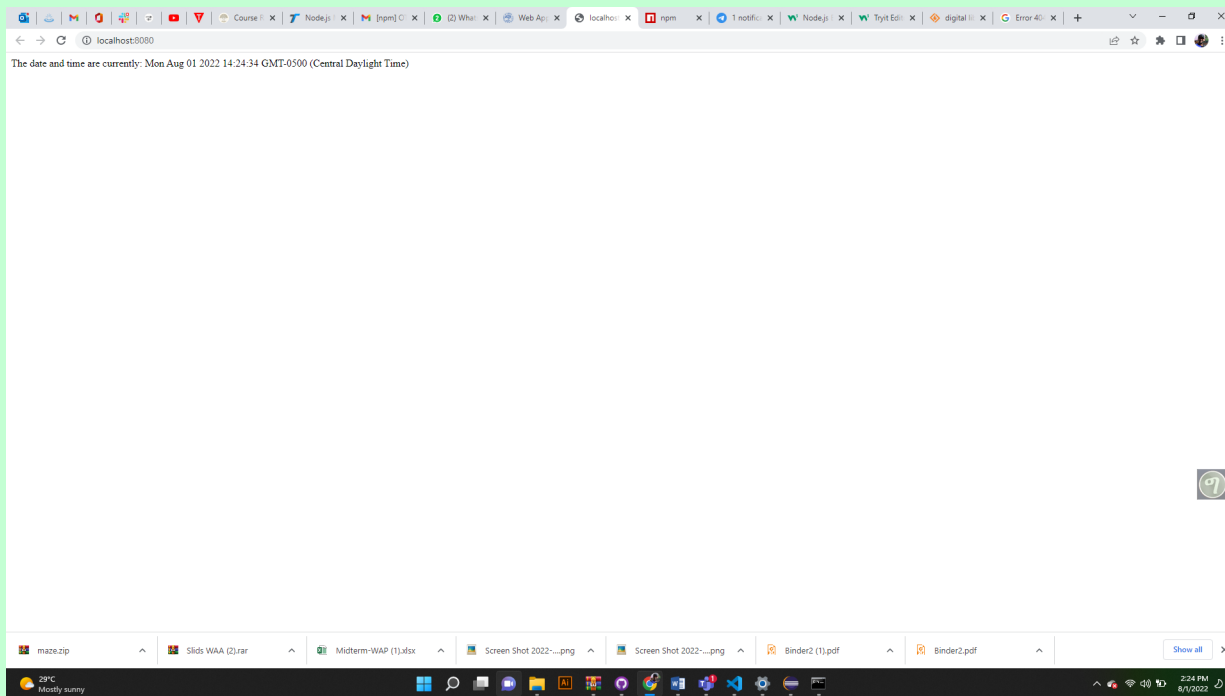
```
1 http.createServer() callback
2 var http = require('http');
3 var dt = require('./myModule');
4 http.createServer(function (req, res) {
5   res.writeHead(200, {'Content-Type': 'text/html'});
6   res.write("The date and time are currently: " + dt.myDate());
7   res.end();
8 }).listen(8080);
```

The bottom panel shows the 'TERMINAL' tab with the following output:

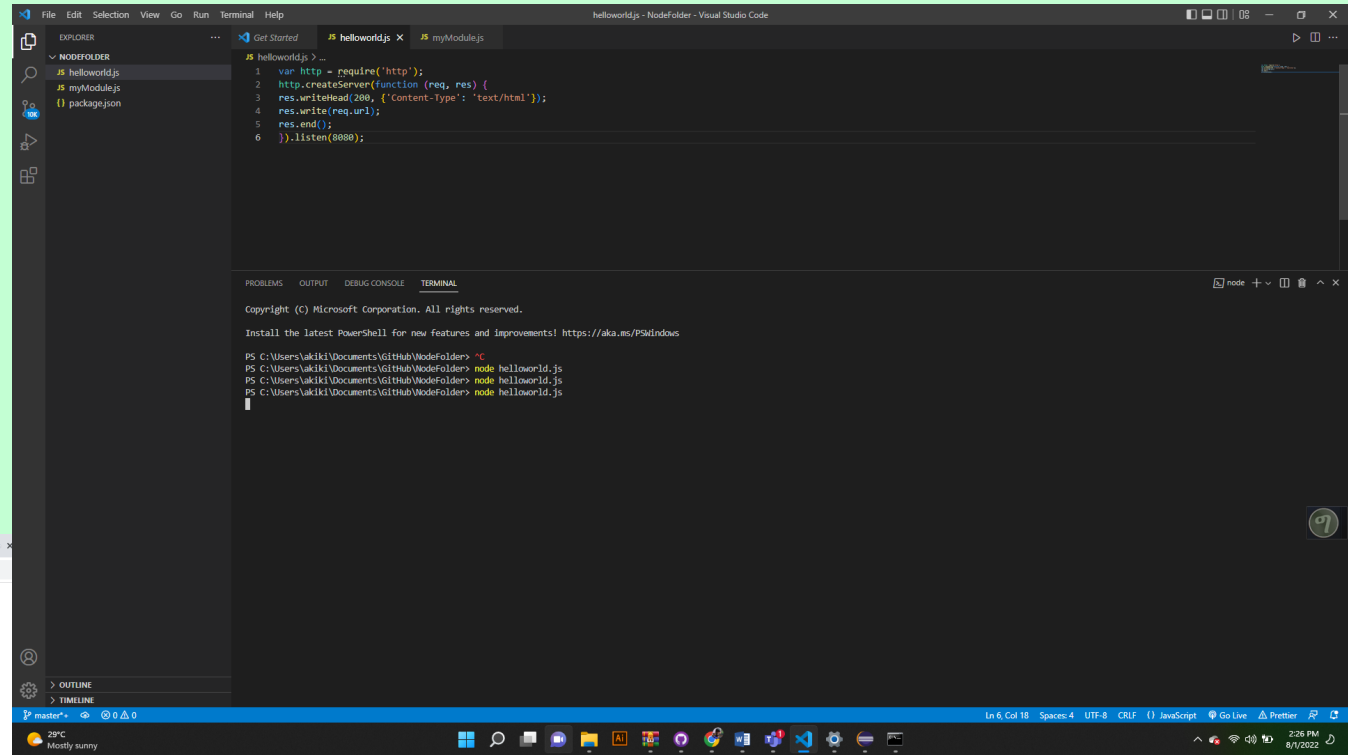
```
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PS C:\Users\vakiki\Documents\Github\NodeFolder> node helloworld.js
PS C:\Users\vakiki\Documents\Github\NodeFolder> node helloworld.js
```



# Exercise N3



The screenshot shows the Visual Studio Code interface with a project named 'helloworldjs'. The Explorer sidebar on the left shows the file structure: 'helloworldjs', 'myModule.js', and 'package.json'. The main editor displays the 'helloworld.js' file with the following code:

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

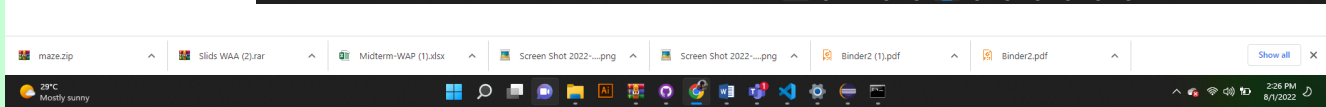
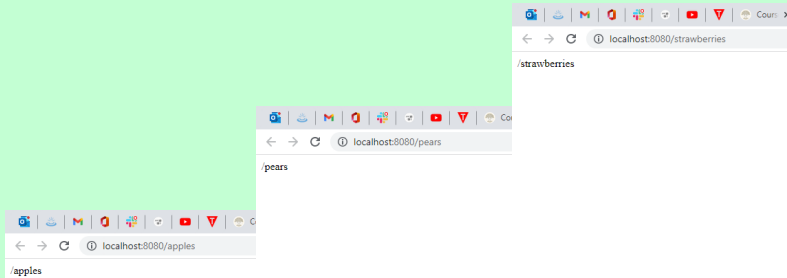
The bottom panel shows the TERMINAL output:

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

The status bar at the bottom indicates the current file is 'helloworld.js' at line 6, column 18, with 4 spaces, UTF-8 encoding, and CR/LF line endings. The system tray shows a temperature of 29°C and the date/time as 2:26 PM on 8/1/2022.



# Exercise N4

The image shows a web browser window and a Visual Studio Code editor. The browser window displays a simple web form with the title "SimpleAdder.html". The form has a label "Enter two numbers" and two input fields. The first input field contains the number "200" and the second input field contains the number "400". Below the input fields is a "Click" button. The browser's address bar shows the URL "localhost:8080/SimpleAdder.html".

The Visual Studio Code editor shows the source code of the web server. The code is a Node.js script that uses the 'http' module to create a web server. It listens on port 8888. The code is as follows:

```
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  } else
11    fs.readFile(filename, function(err, data) {
12      if (err) {
13        res.writeHead(404, {'Content-Type': 'text/html'});
14        return res.end("404 Not Found");
15      }
16      res.writeHead(200); // Content-Type not included
17      res.write(data);
18      return res.end();
19    });
20 }).listen(8888);
```

The VS Code editor also shows the file explorer on the left, which lists the files in the project: "AdderWebServer.js", "addmod.js", "helloworld.js", "myModule.js", "package.json", and "SimpleAdder.html". The terminal at the bottom of the VS Code editor shows the command "node AdderWebServer.js" being executed, and the output "The sum is: 600".