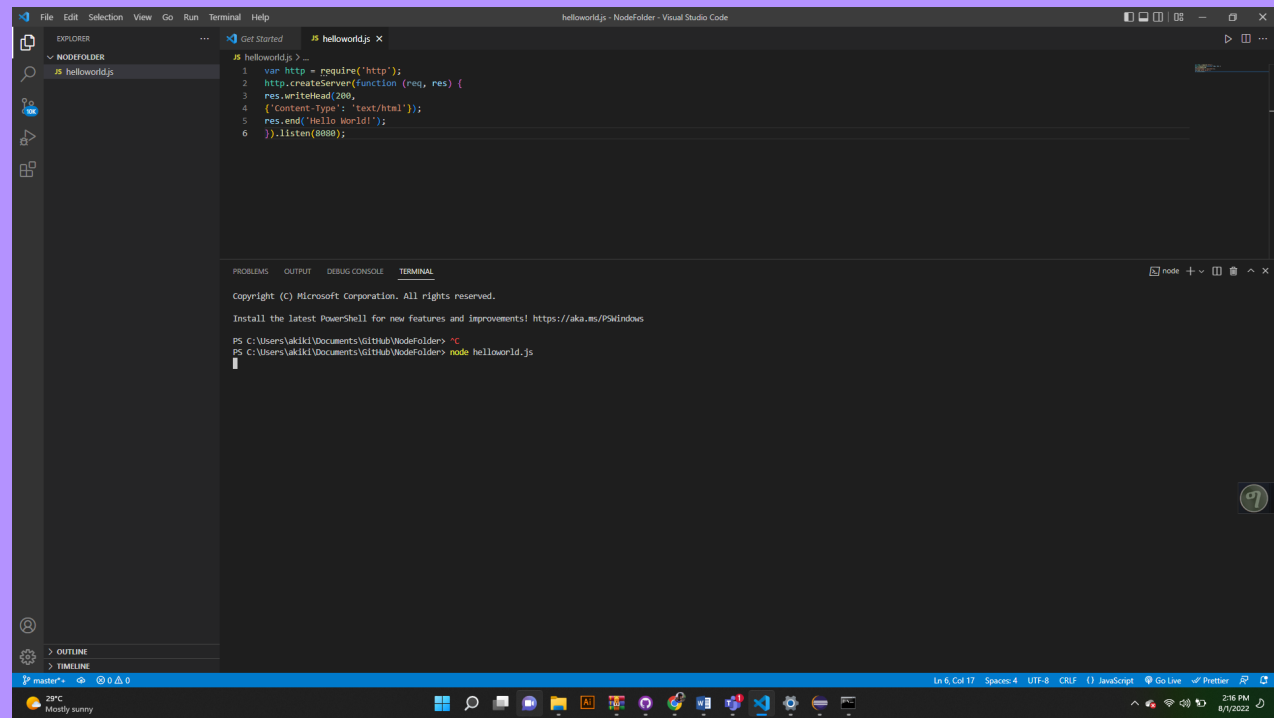


# Exercise N1



The screenshot shows the Visual Studio Code editor interface. The Explorer pane on the left shows a file named `helloworld.js` under a folder named `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);
```

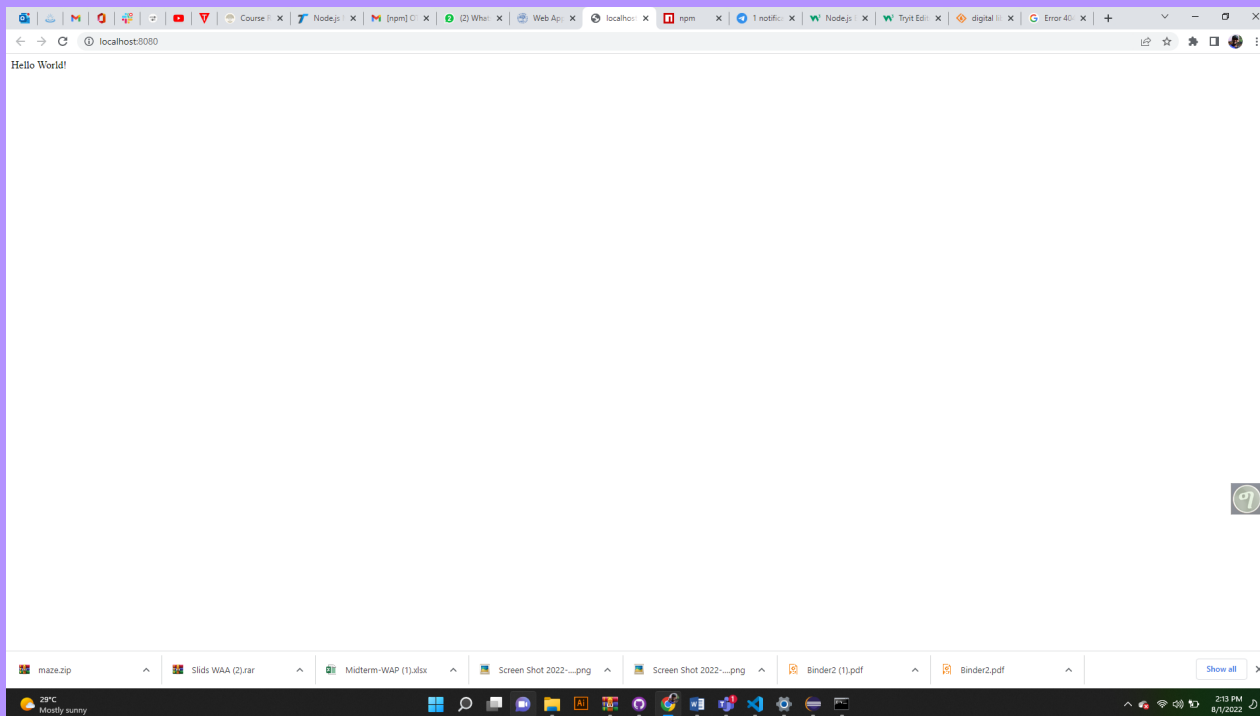
Below the editor, the TERMINAL pane is active, showing the following output:

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

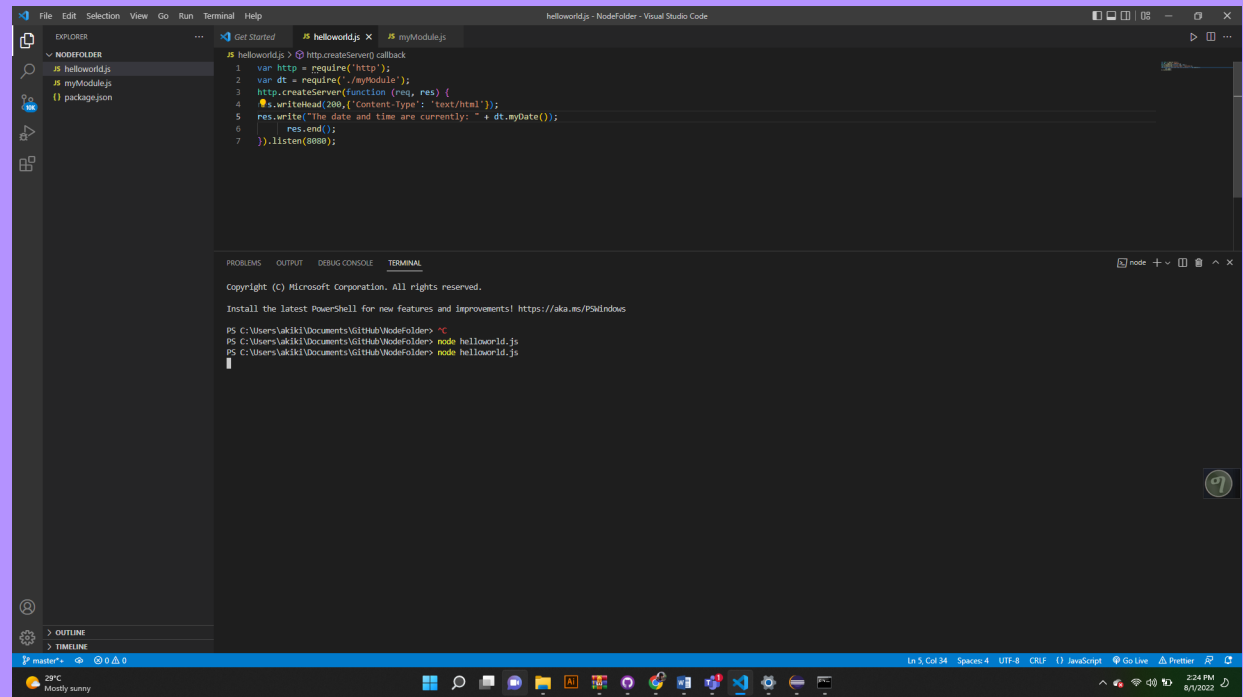
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

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 and UTF-8 encoding. The system tray at the bottom shows the date and time as 2:16 PM on 8/1/2022.



# Exercise N2



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project structure with 'NODEFOLDER' containing 'helloworld.js', 'myModule.js', and 'package.json'. The main editor area displays the content of 'helloworld.js':

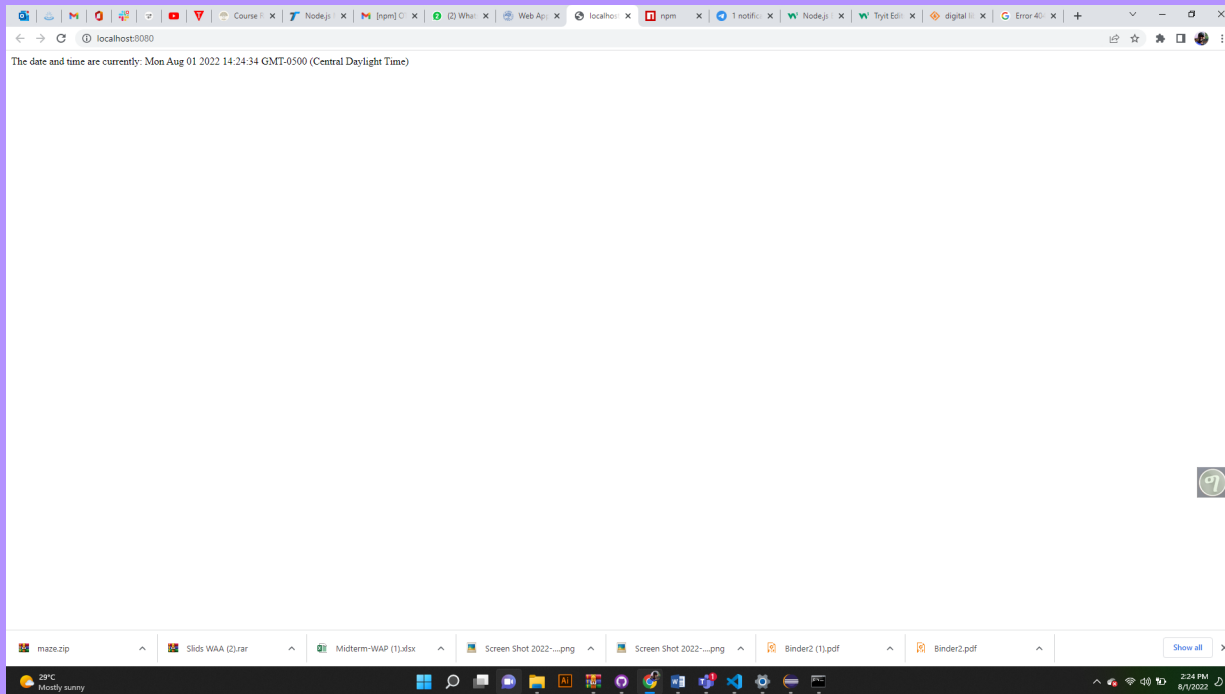
```
1 var http = require('http');
2 var dt = require('./myModule');
3 http.createServer(function (req, res) {
4   res.writeHead(200, {'Content-Type': 'text/html'});
5   res.write("The date and time are currently: " + dt.myDate());
6   res.end();
7 }).listen(8080);
```

Below the editor is a terminal window with the following output:

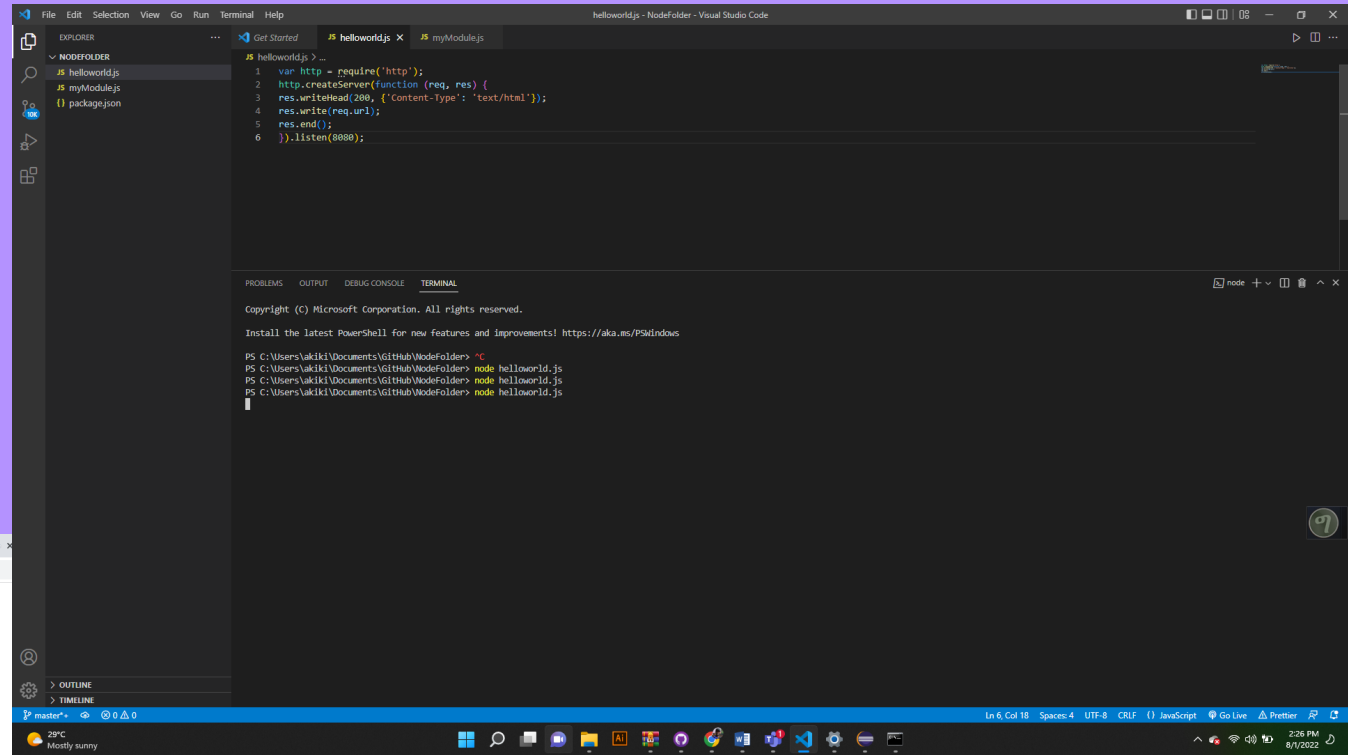
```
Copyright (C) Microsoft Corporation. All rights reserved.

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



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project named 'helloworldjs' with files 'helloworld.js' and 'myModule.js'. The main editor area displays 'helloworld.js' 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);
```

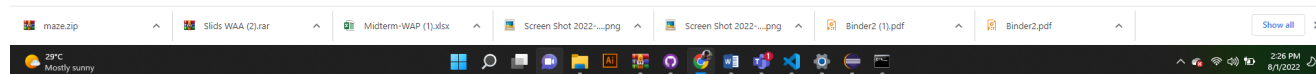
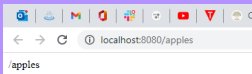
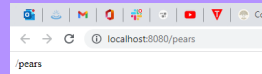
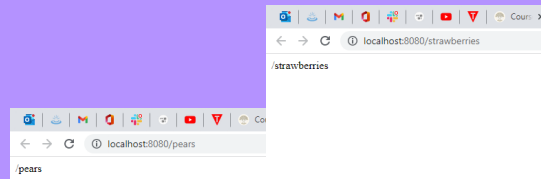
The bottom panel shows the TERMINAL view with the following output:

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

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 Windows taskbar at the bottom shows the system clock as 2:26 PM on 8/1/2022, with a weather widget indicating 29°C and 'Mostly sunny'.



# 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 is open to a file named "AdderWebServer.js". The code is a Node.js script that uses the "http" module to create a web server. It also uses the "fs" module to read a file. The server 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 "PROBLEMS" panel, which displays a message from Microsoft: "Copyright (C) Microsoft Corporation. All rights reserved. Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows".

The bottom of the image shows a Windows taskbar with various icons, including the Start button, Search, Task View, and several application icons. The system tray shows the date and time as "2:37 PM 8/1/2022".