

Activity 0

Andrew Rodriguez

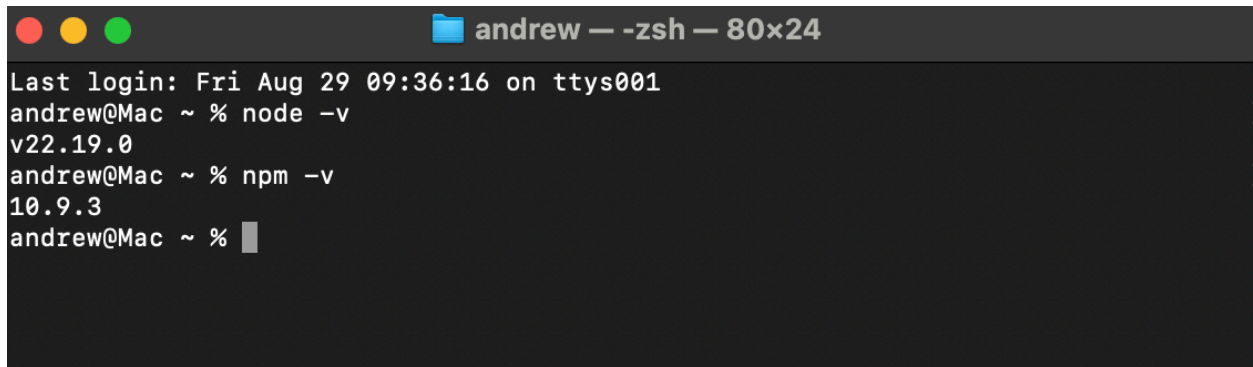
CSET, Grand Canyon University

CST-391: JavaScript Web Application Development

Bobby Estey

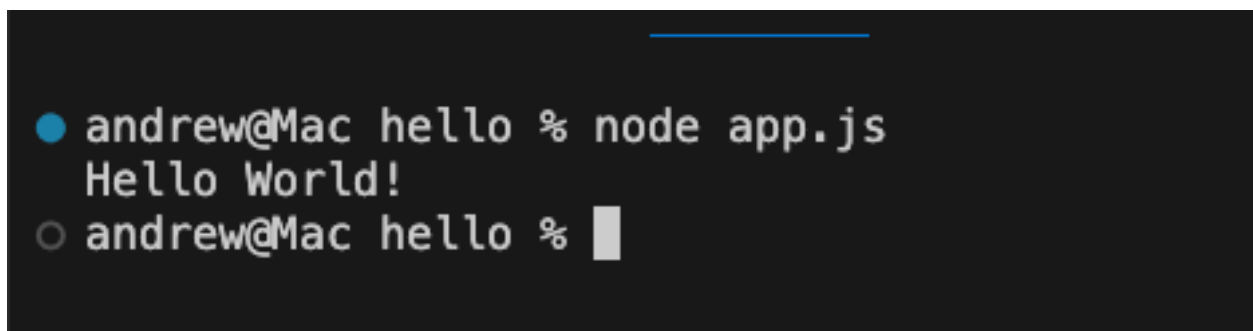
September 7, 2025

Activity 0

A terminal window titled 'andrew — -zsh — 80x24' with standard macOS window controls. The terminal shows the following text:

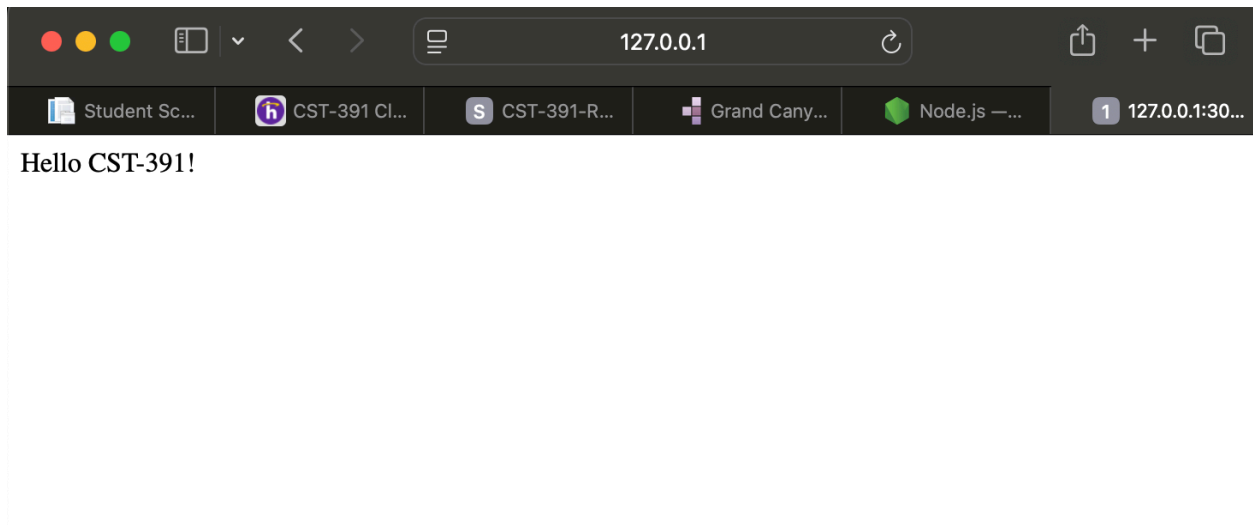
```
Last login: Fri Aug 29 09:36:16 on ttys001
andrew@Mac ~ % node -v
v22.19.0
andrew@Mac ~ % npm -v
10.9.3
andrew@Mac ~ % █
```

Node and NPM were installed, and the current versions are listed. This should be two screenshots, but it's small enough to fit into one!

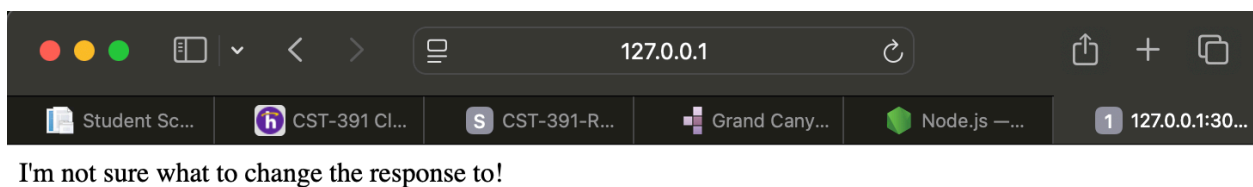
A terminal window showing the execution of a Node.js application. The text displayed is:

```
● andrew@Mac hello % node app.js
  Hello World!
○ andrew@Mac hello % █
```

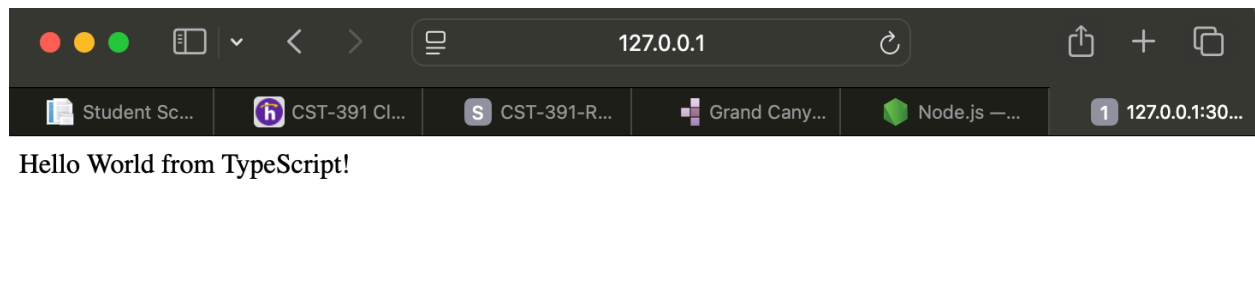
This is a screenshot of the terminal running the Hello World console application. Hello world is displayed, as is done with most introductions to a new language.



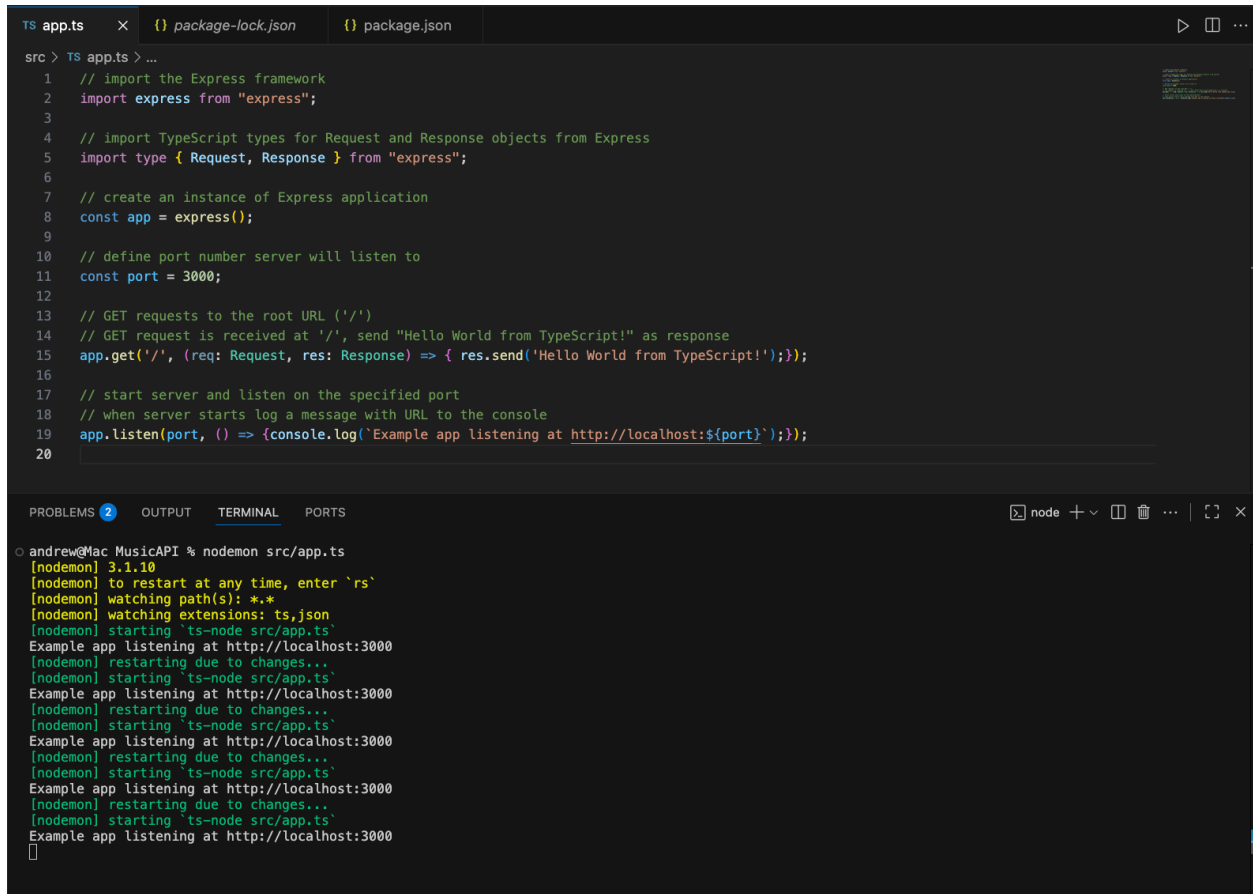
In this image, we upgraded from a console application to a browser. The text was changed to say hello to the course.



This image moved from node to nodemon. The activity system says to change the text to demonstrate the detection of change in the source code, but I was not feeling very creative.



It is noted in the image itself, but we switched from JavaScript to TypeScript and are still running in the browser.



The image shows a VS Code editor window with two tabs: 'app.ts' and 'package-lock.json'. The 'app.ts' tab is active, displaying the following TypeScript code:

```
1 // import the Express framework
2 import express from "express";
3
4 // import TypeScript types for Request and Response objects from Express
5 import type { Request, Response } from "express";
6
7 // create an instance of Express application
8 const app = express();
9
10 // define port number server will listen to
11 const port = 3000;
12
13 // GET requests to the root URL ('/')
14 // GET request is received at '/', send "Hello World from TypeScript!" as response
15 app.get('/', (req: Request, res: Response) => { res.send('Hello World from TypeScript!');});
16
17 // start server and listen on the specified port
18 // when server starts log a message with URL to the console
19 app.listen(port, () => {console.log(`Example app listening at http://localhost:${port}`)});
20
```

The terminal output at the bottom shows the command 'nodemon src/app.ts' being executed. The output includes the following messages:

```
○ andrew@Mac MusicAPI % nodemon src/app.ts
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: ts,json
[nodemon] starting `ts-node src/app.ts`
Example app listening at http://localhost:3000
[nodemon] restarting due to changes...
[nodemon] starting `ts-node src/app.ts`
Example app listening at http://localhost:3000
[nodemon] restarting due to changes...
[nodemon] starting `ts-node src/app.ts`
Example app listening at http://localhost:3000
[nodemon] restarting due to changes...
[nodemon] starting `ts-node src/app.ts`
Example app listening at http://localhost:3000
[nodemon] restarting due to changes...
[nodemon] starting `ts-node src/app.ts`
Example app listening at http://localhost:3000
```

Here, we have the app.ts code and the terminal output with the code running. This code follows the code provided by the activity.