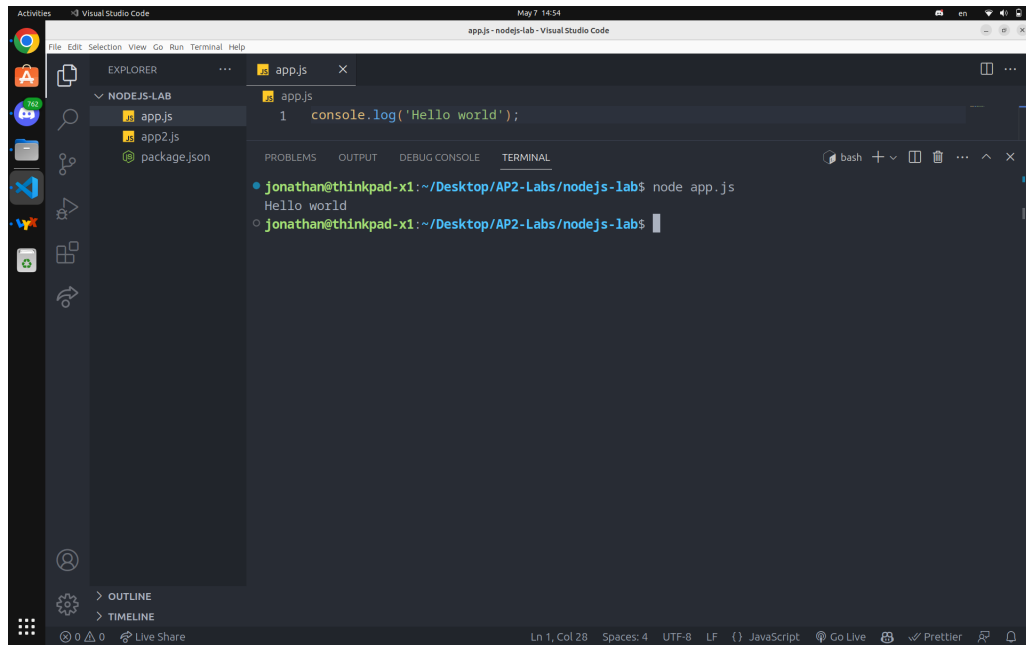


תכנות מתקדם 2 - תרגילון 4

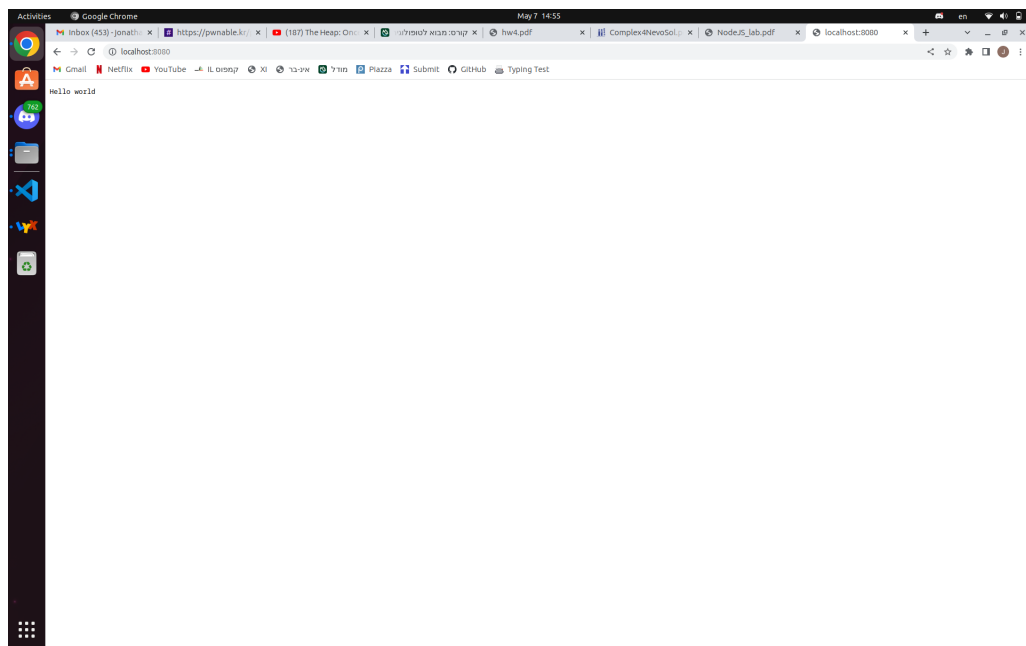
יונתן קלסי



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a project named 'NODEJS-LAB' containing files 'app.js', 'app2.js', and 'package.json'. The main editor area shows 'app.js' with the following code:

```
1 console.log('Hello world');
```

The TERMINAL panel at the bottom shows the command `node app.js` being executed, resulting in the output `Hello world`. The terminal prompt is `jonathan@thinkpad-x1:~/Desktop/AP2-Labs/nodejs-lab$`.



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left displaying a project named 'NODEJS-LAB' containing files 'app.js', 'app2.js', 'app3.js', and 'package.json'. The main editor window has 'app3.js' open, showing a single line of code: `import { createServer } from "http";`. The bottom panel shows the 'TERMINAL' tab with the command `node app3.js` executed. The output displays a warning about ES modules and a `SyntaxError: Cannot use import statement outside a module`. The error stack trace includes paths like `internalCompileFunction`, `wrapSafe`, and `Module._compile`. The status bar at the bottom indicates 'Ln 8, Col 1'.

```
1 import { createServer } from "http";
```

```
jonathan@thinkpad-x1:~/Desktop/AP2-Labs/nodejs-lab$ node app3.js
(node:181195) Warning: To load an ES module, set "type": "module" in the package.json or use the .mjs extension.
(Use `node --trace-warnings ...` to show where the warning was created)
/home/jonathan/Desktop/AP2-Labs/nodejs-lab/app3.js:1
import { createServer } from "http";
^^^^^^

SyntaxError: Cannot use import statement outside a module
    at internalCompileFunction (node:internal/vm:74:18)
    at wrapSafe (node:internal/modules/cjs/loader:1141:20)
    at Module._compile (node:internal/modules/cjs/loader:1182:27)
    at Module._extensions..js (node:internal/modules/cjs/loader:1272:10)
    at Module.load (node:internal/modules/cjs/loader:1081:32)
    at Module._load (node:internal/modules/cjs/loader:922:12)
    at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:81:12)
    at node:internal/main/run_main_module:23:47

Node.js v18.13.0
jonathan@thinkpad-x1:~/Desktop/AP2-Labs/nodejs-lab$
```

The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left displaying the same project. The main editor window now has 'package.json' open, showing its configuration. The status bar at the bottom indicates 'Ln 14, Col 1'.

```
1 {
2   "name": "nodejs-lab",
3   "version": "1.0.0",
4   "description": "",
5   "main": "index.js",
6   "scripts": {
7     "test": "echo \\\"Error: no test specified\\\" && exit 1"
8   },
9   "keywords": [],
10  "author": "",
11  "license": "ISC",
12  "type": "module"
13 }
14
```

