

About Visual Studio

Dr. Sungchul Lee

Outline

- Intro. Visual Studio Code (VScode)
- Visual Studio Code Editor
- EXPLORER
 - ❑ Create Project Folder
 - ❑ Create file
- Editor
 - ❑ Save
 - ❑ Load

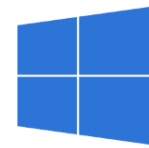
<https://code.visualstudio.com/download>

Visual Studio Code

- Powerful source code editor
 - ❑ HTML, JavaScript, R, Object-C, Python etc.
- Extensions
 - ❑ Enable additional languages, themes, debuggers, commands, and more
 - ❑ Easy to install extensions
- IntelliSense
 - ❑ Syntax highlighting and Autocomplete
- Built-in Git

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows
Windows 10, 11

User Installer [x64](#) [Arm64](#)
System Installer [x64](#) [Arm64](#)
.zip [x64](#) [Arm64](#)
CLI [x64](#) [Arm64](#)



↓ .deb
Debian, Ubuntu

↓ .rpm
Red Hat, Fedora, SUSE

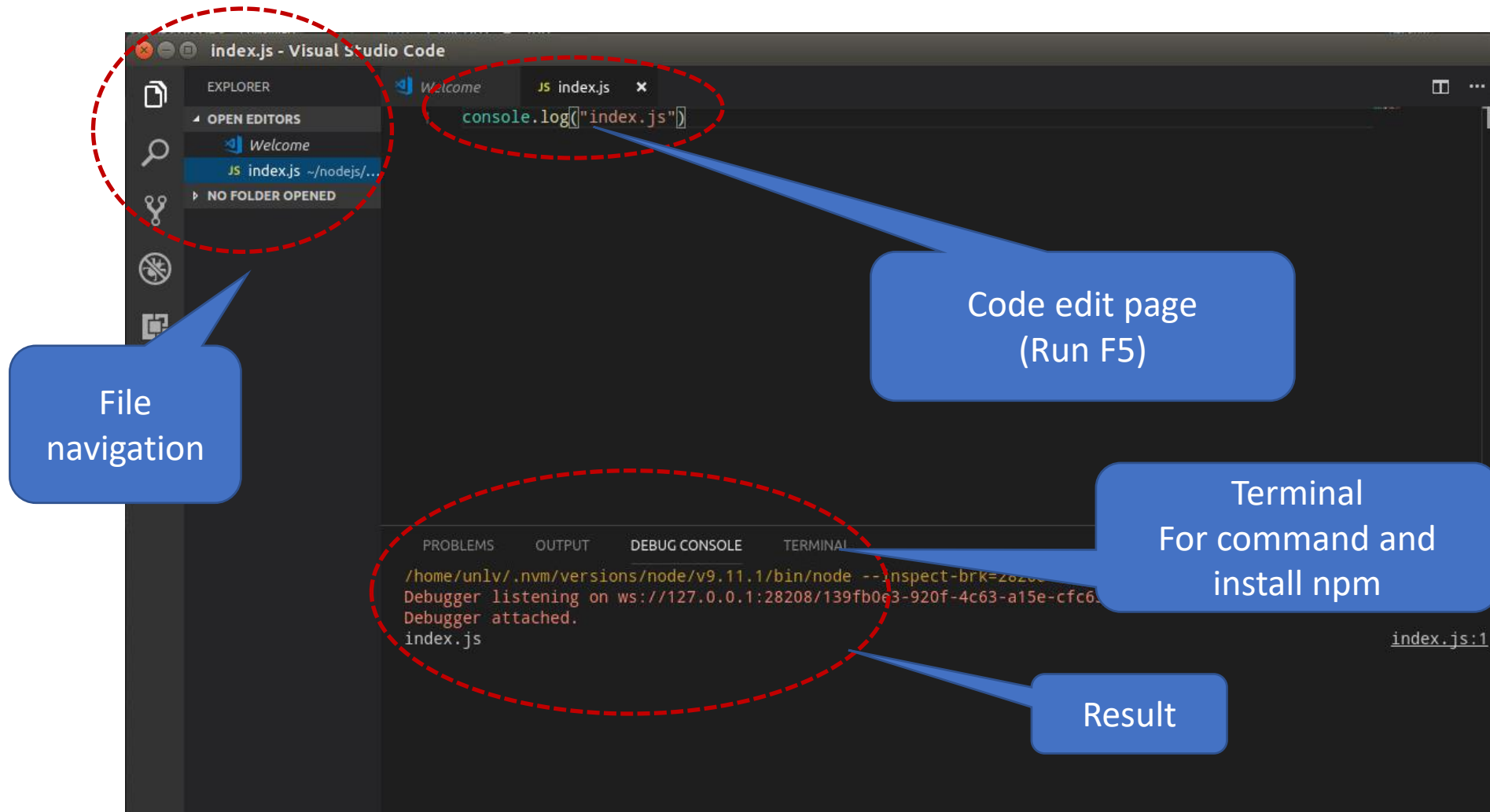
.deb [x64](#) [Arm32](#) [Arm64](#)
.rpm [x64](#) [Arm32](#) [Arm64](#)
.tar.gz [x64](#) [Arm32](#) [Arm64](#)
Snap [Snap Store](#)
CLI [x64](#) [Arm32](#) [Arm64](#)



↓ Mac
macOS 10.15+

.zip [Intel chip](#) [Apple silicon](#) [Universal](#)
CLI [Intel chip](#) [Apple silicon](#)

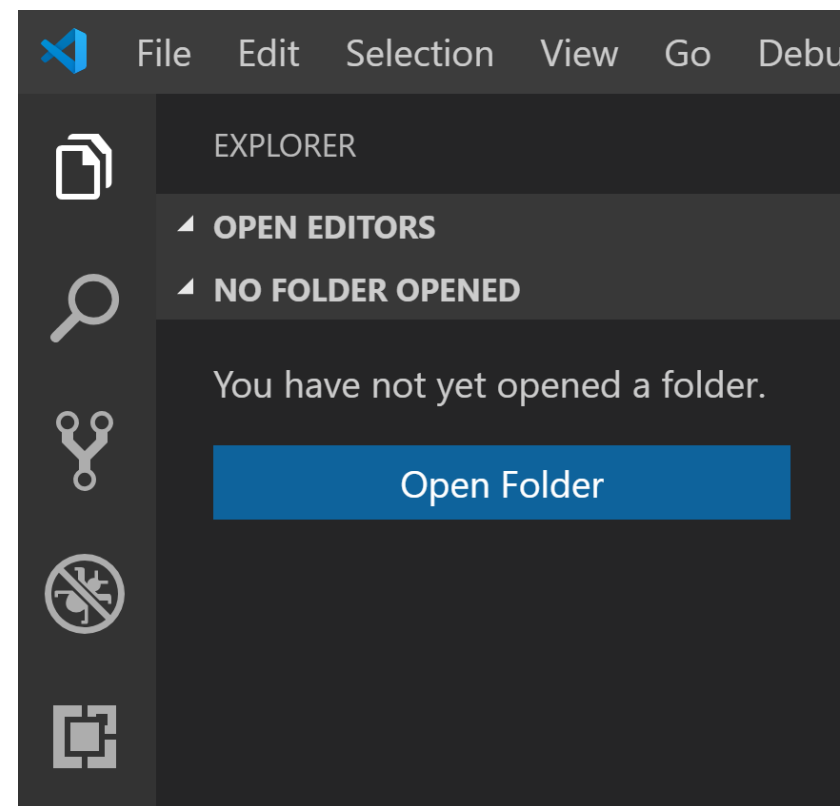
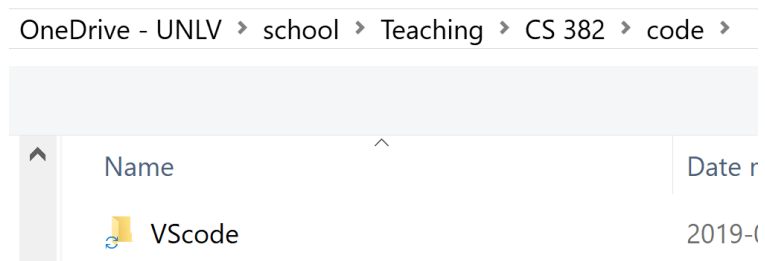
Visual Studio Code Editor



EXPLORER (Project Folder)



- Create Project (Folder)
- ☐ Click Open Folder
 - ☐ Make Folder using File Explorer
 - ❖ Set folder name

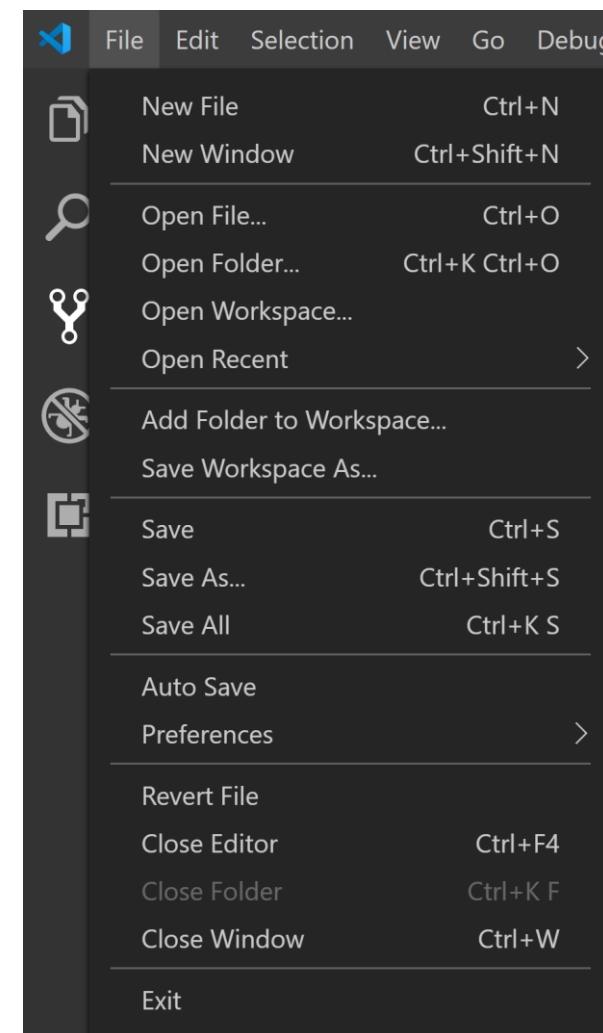


EXPLORER (Create File)

- Create New File (Ctrl +N)
 - ☐ Save file (Ctrl+S)
- Save on Project Folder
 - ☐ Set File Name
 - ☐ Set Type

File name:

Save as type:



EXPLORER

➤ Open Editors

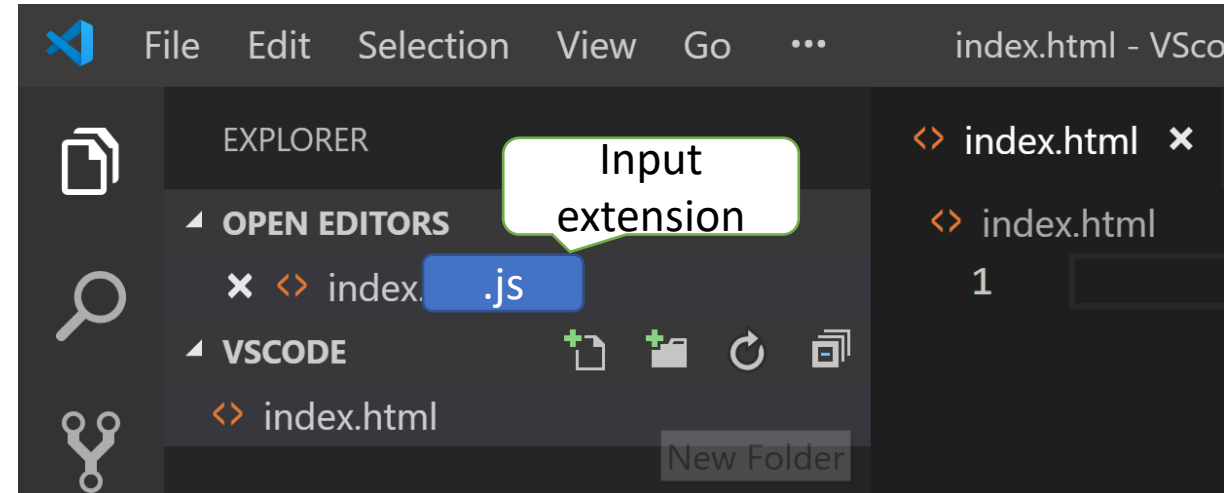
- ❑ Currently opened files on Vscode

➤ Folder (Your folder Name)

- ❑ Create new file

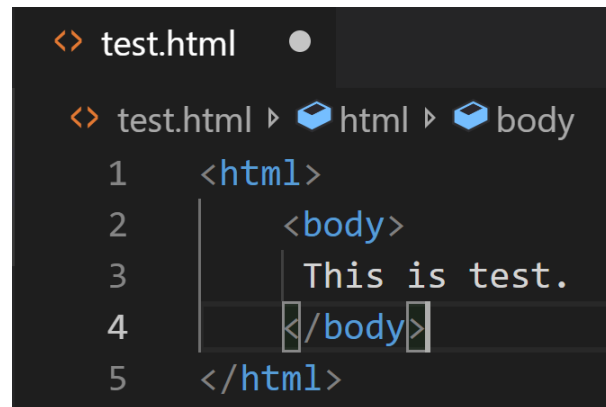


- ❑ Create new folder



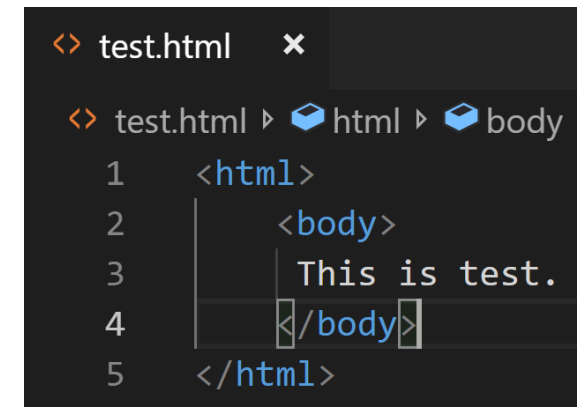
Editor

- Write code on file
- IntelliSense
 - ❑ Syntax highlighting and Autocomplete
- Save
 - ❑ Ctrl + s
- Load
 - ❑ Ctrl + o



```
<> test.html ●
<> test.html ▸ html ▸ body
1  <html>
2      <body>
3          This is test.
4      </body>
5  </html>
```

Before Save




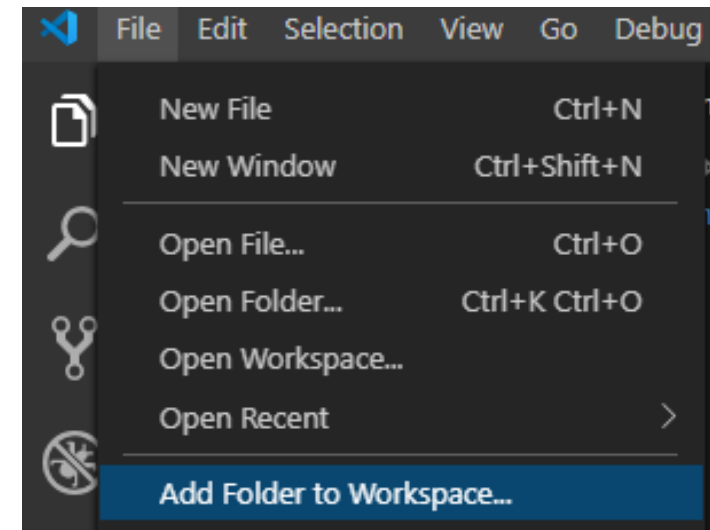
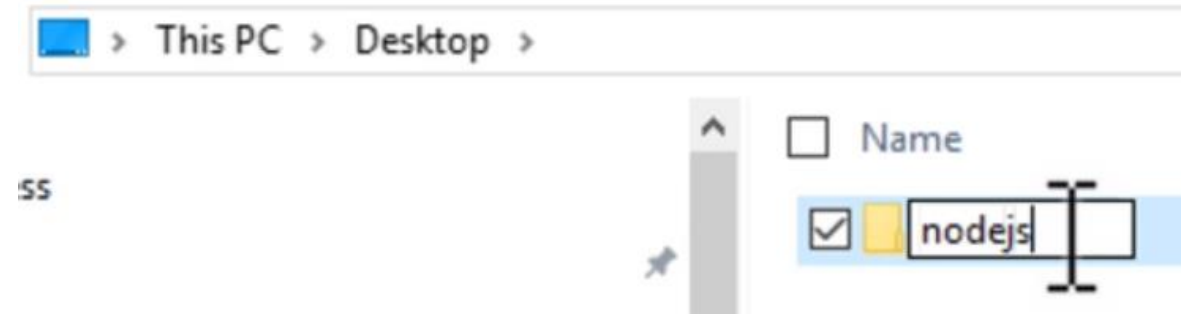
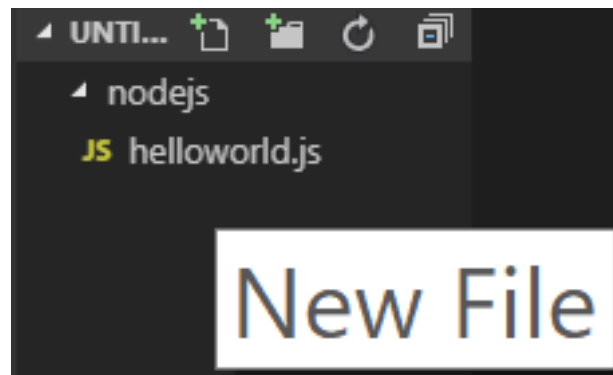
```
<> test.html ✕
<> test.html ▸ html ▸ body
1  <html>
2      <body>
3          This is test.
4      </body>
5  </html>
```

After Save

What is the difference?

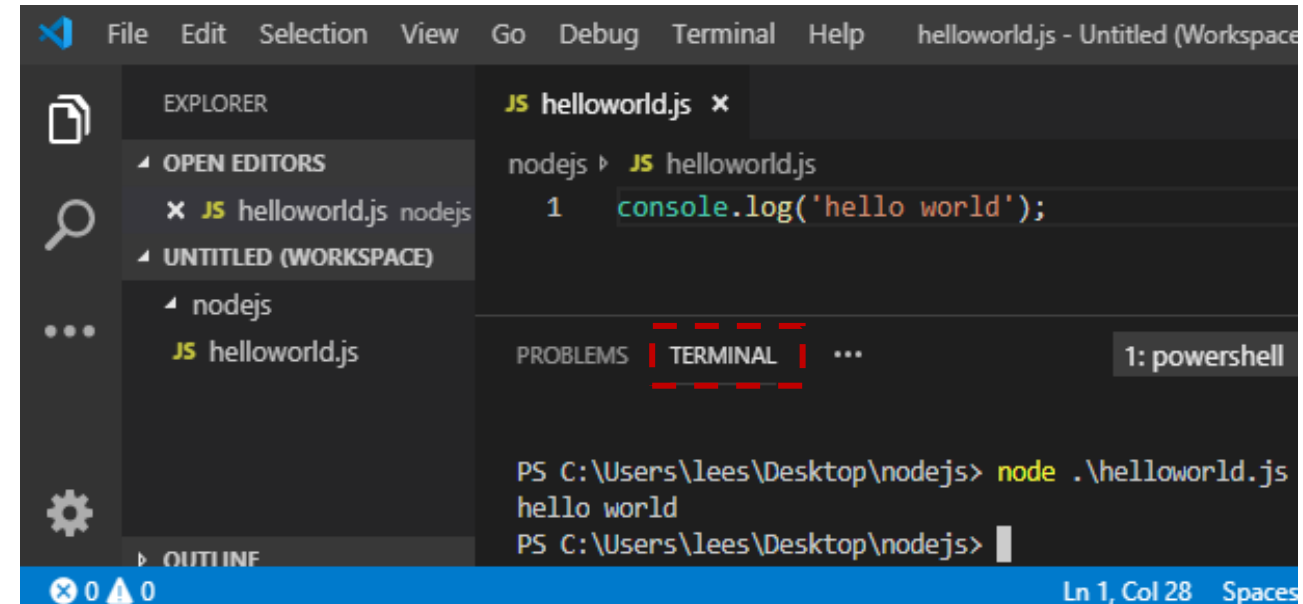
Practice - Create Folder and File

- Create Folder on Desktop
 - ☐ Project/Class folder
- Add Folder to Workspace
 - ☐ Visual studio code
- Click new file icon 
 - ☐ Create “helloworld.js” file



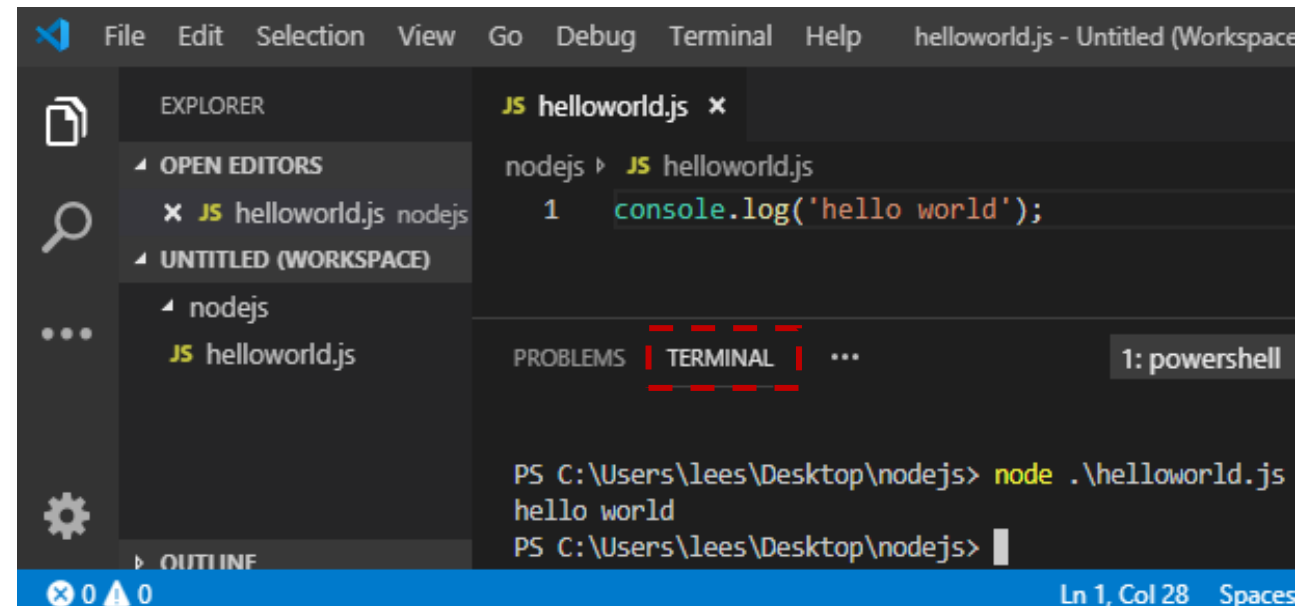
Coding and Run

- Code on “helloworld.js”
 - ❑ `console.log('hello world')`
- Click “TERMINAL”
- RUN
 - ❑ `node helloworld.js`
- Check Result
 - ❑ Hello world



Summary

- Set project folder and Create New file
- helloworld.js
 - ❑ console.log()
 - ❑ Run on terminal
 - ❖ node helloworld.js



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project named 'nodejs' with a file 'helloworld.js'. The Editor window displays the file 'helloworld.js' with the code: `1 console.log('hello world');`. The Terminal window at the bottom shows the command `PS C:\Users\lees\Desktop\nodejs> node .\helloworld.js` and the output `hello world`. The status bar at the bottom indicates 'Ln 1, Col 28 Spaces'.