Working with VS Code

Introduction round

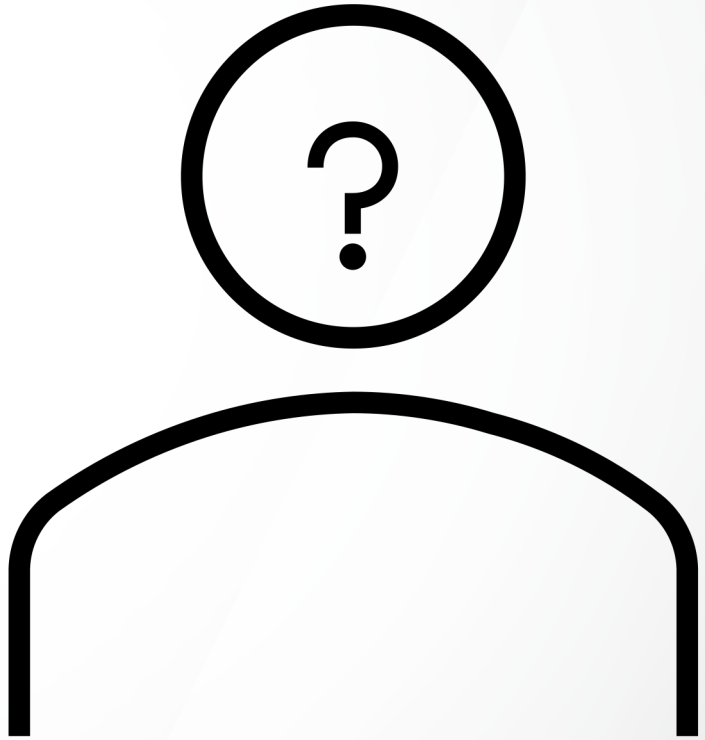
Job / background

Ambitions

Home / family / pets

Hobbies / interests

What do you hope to learn in this session?



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What is an IDE?

Installing VS Code

Working with VS Code:

- Basics
- Tips & Tricks
- Extensions
- Settings

What is an IDE?

Integrated Development Environment

An application that enables programmers to write scripts and applications

Code can be written in the IDE, and it has many helpful features to support that

Debugging options and options to run the program

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Mini exercise: the best IDE

Take 5 minutes and google for the best IDE

Tell me what the best IDE is, and why

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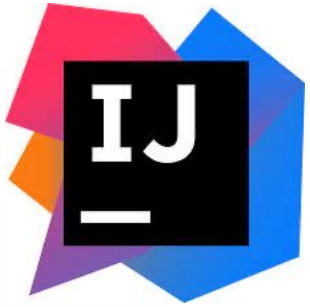

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Visual studio code

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What is VS Code?

IDE by Microsoft

Available for Windows, Linux and MacOS

Powerful IDE due to many available extensions

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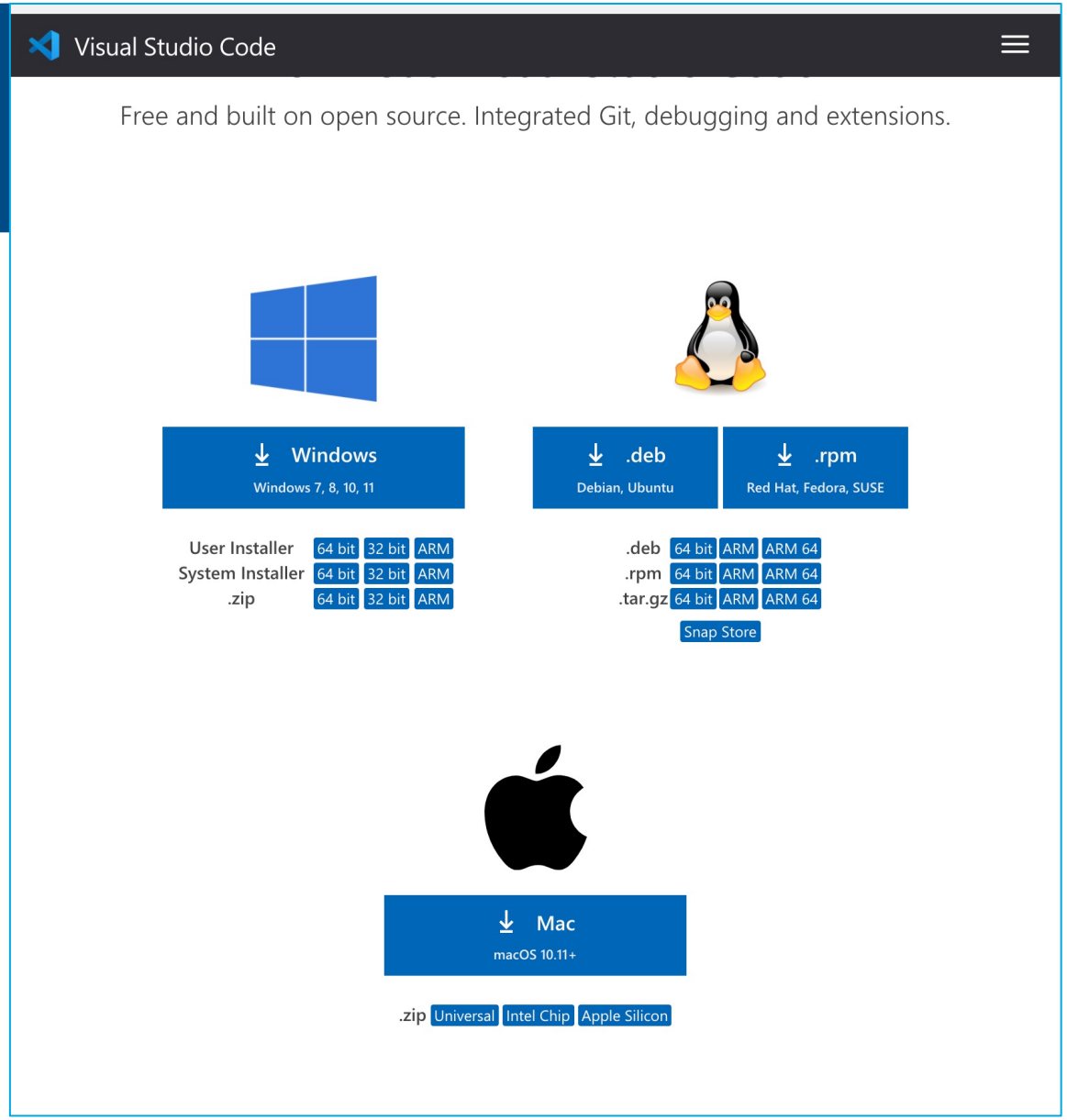
Installing VS code

https://code.visualstudio.com/download



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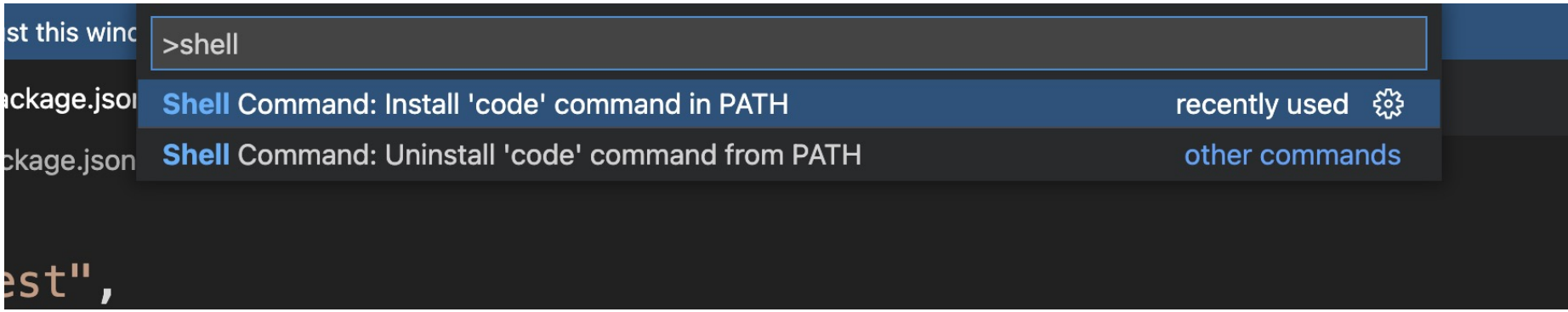
Setting command line “code”

Windows: F1

Mac: Cmd + shift + p

Type: shell command



Open terminal, type “code <nameOfFile>”

```
maaikes-mbp:newmap maaikevanputten$ code new.txt
```

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Working with files

Open file

Save file – no autosave by default

Enable autosave in settings

Options for files.autoSave: off, afterDelay, onFocusChange, onWindowChange

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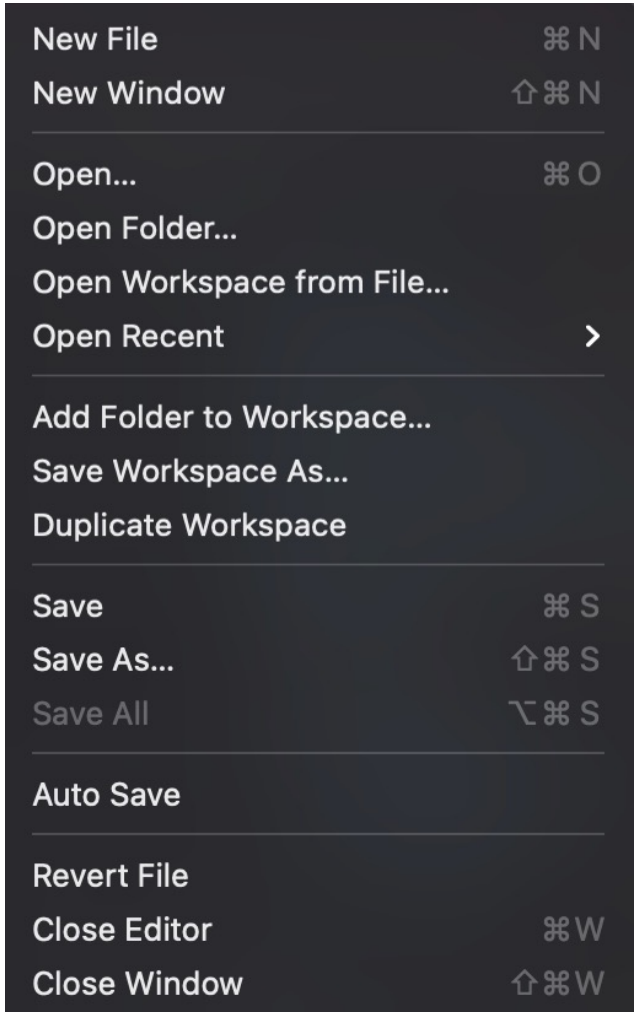
Shortcuts for working with files



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Navigating files

Open file by name after: cmd+p / ctrl+p

Use the breadcrumbs

Go to definition: cmd + click / ctrl + click

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Selecting with shortcuts

Box selection:

Windows: Shift+Alt + select with mouse

Mac: Shift+ Option + select with mouse

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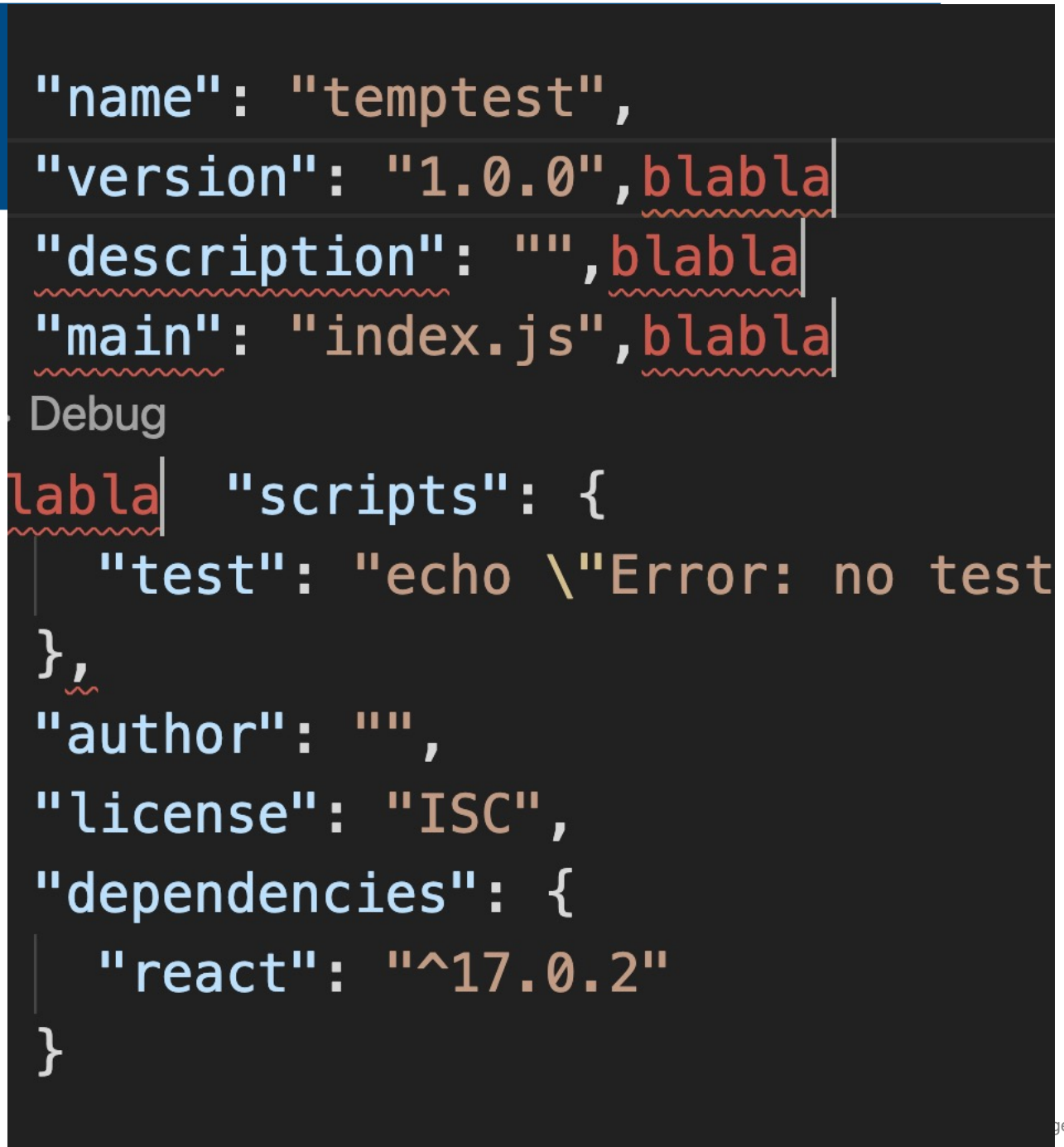
Multi-cursor

Windows: Alt + click

Mac: Option + click (or Option + command + arrow up / arrow down)



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Searching

Current file

Windows: Ctrl + f

Mac: Cmd + f

All files:

Windows: Shift + Ctrl + f

Mac: Shift + Cmd + f

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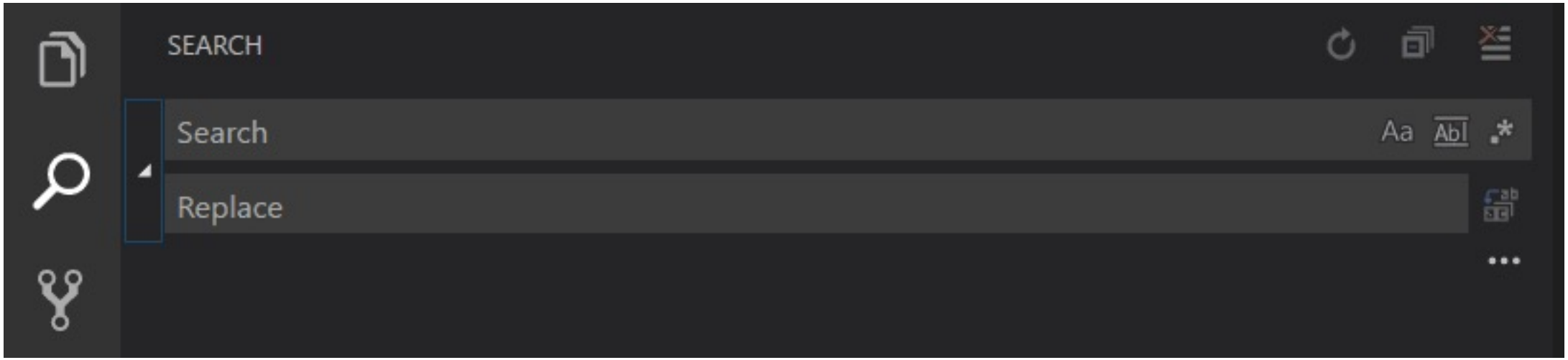
Replacing



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Exercise!

Extensions

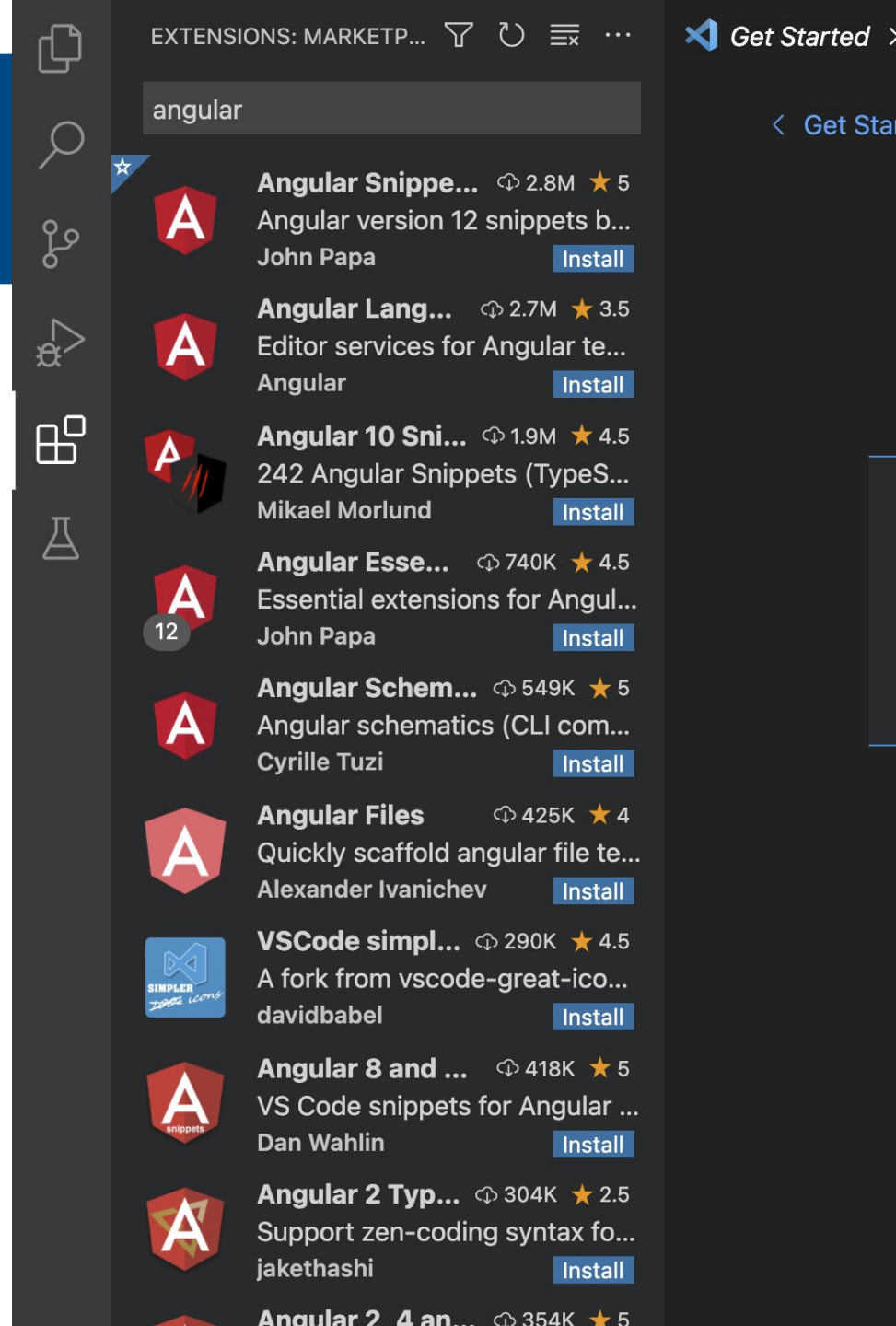
Extension marketplace

Add languages, debuggers, linters, prettifiers, and all sorts of tools

Search, pick one, install

Details + settings

Uninstall



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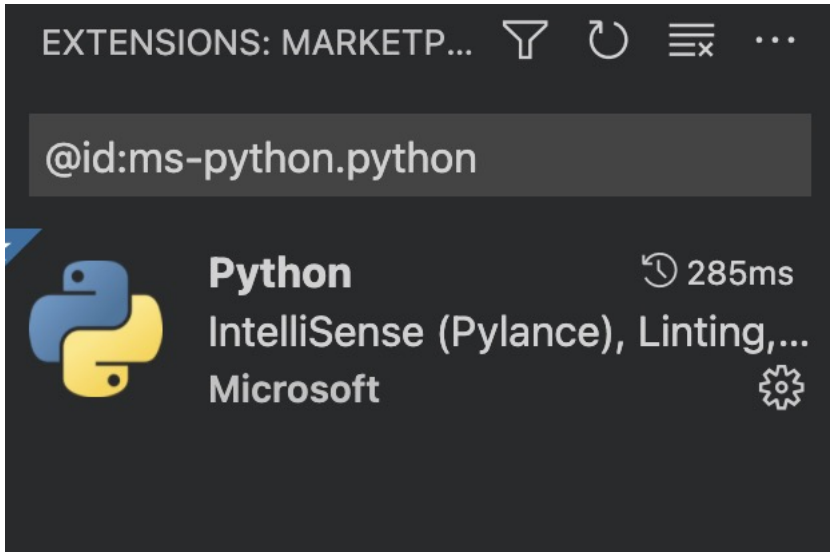
Extensions for Python



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Exercise!

Writing code

IntelliSense

If it doesn’t pop up, use ctrl+space

Use autocomplete: select option with arrows and hit tab or enter

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Format code

Windows: shift + alt + f

Mac: sift + option + f

The way it’s formatted can be adjusted in the settings

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Exercise!

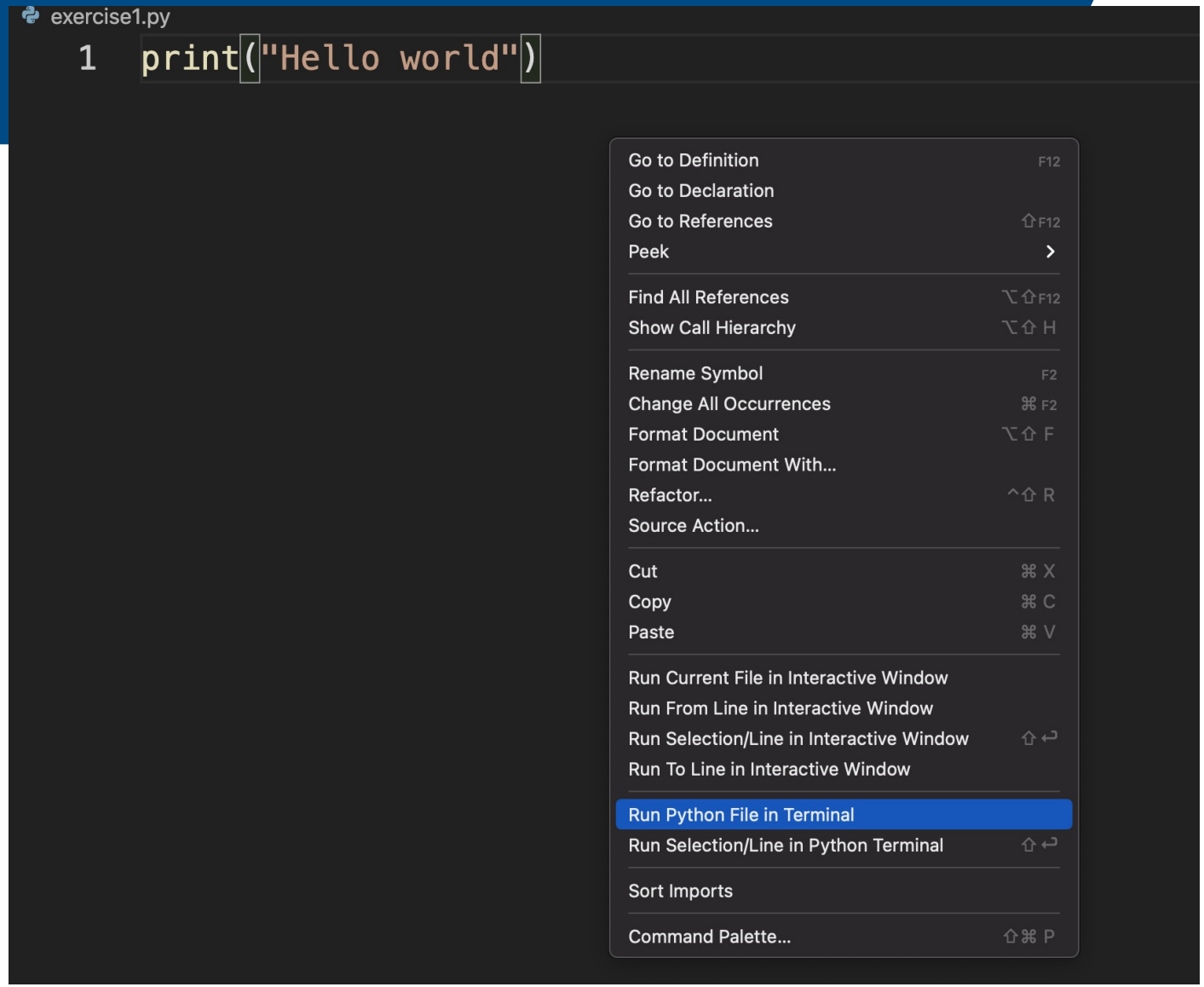
Running code

Right click

Run Python file in terminal

(Install kernel)

See results



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Exercise!

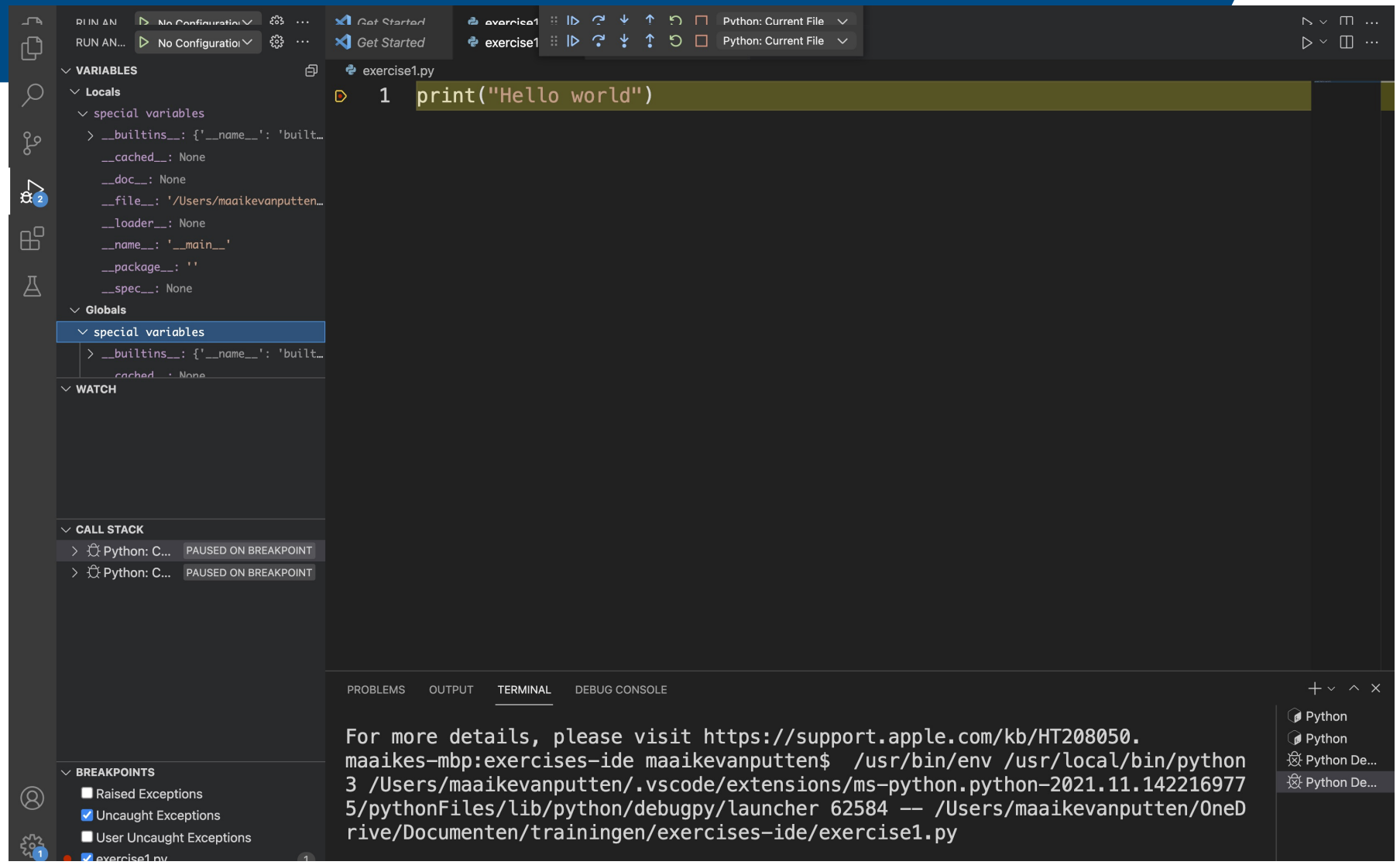
Debugging

Breakpoints

Inspect state

Take steps

Continue



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Exercise!

Settings

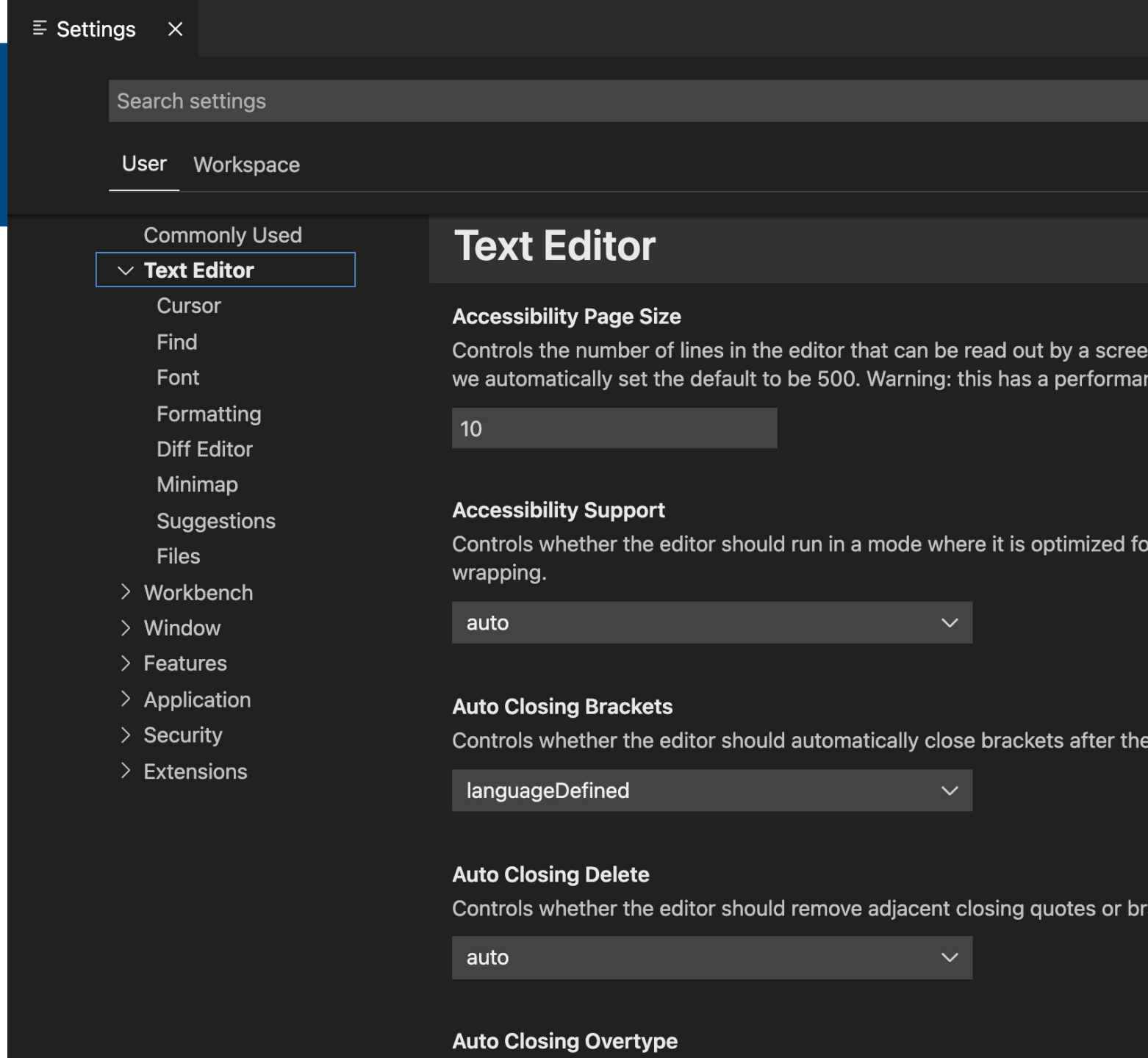
Amazing how much can be customized

Settings use JSON

Go to settings UI:

Windows: ctrl + ,

Mac: cmd + ,



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Exercise!

Git

You'll need: GitHub Pull Requests and Issues extension

Sign in

And use UI for source control

Or.. You can use the integrated terminal

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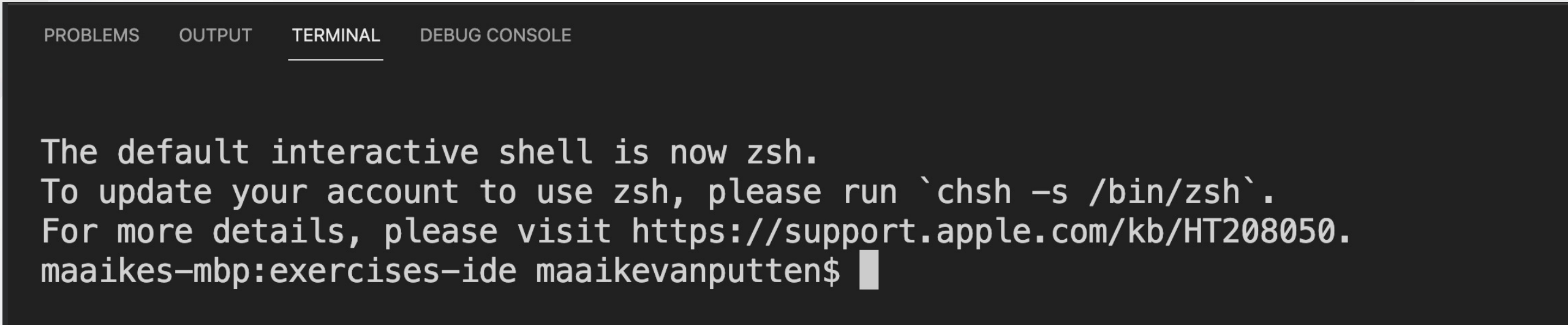
Integrated terminal

VS code comes with an integrated terminal

Open terminal shortcuts:

Windows: control + shift + ` (please check?)

Mac: control + shift + `



Exercise!

https://code.visualstudio.com/docs

Exercise!

KPN Academy

- Book your training at the KPN Academy
- Any Questions: kpn.bloomville@globalknowledge.nl
- Next step

- Training Introduction to Python (**GK2354)**
- Training Advanced Python (**GK2351**)
- Training Introduction to JavaScript (**GK0780)**
- Training Building webapps with Angular and TypeScript (**M55266)**
- Training Node.js fundamentals (**LO035419)**
- Training Spring: Core training (VMSC)

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