

{ POWER.CODERS }

Setup

CONTENTS

- > What do we need to start?
- > Online tutorial

What do we need to start?

- > Browser
- > Editor
- > Windows only: pimp your terminal

BROWSER

- Chrome: [Installation link](#)
- Firefox: [Installation link](#)

EDITOR

Could be any text editor, but developers prefer one with syntax highlighting.

We will use Visual Studio Code.

[Installation link](#)

Recommended extensions

1. Live Server
2. Prettier
3. vscode-faker

Try out different themes or other extensions.

PIMP YOUR TERMINAL

Windows user only

[Mac and Linux users, click here.](#)

Online tutorial

The next slides guide you to the setup step by step. [This video](#) is doing that as well and might be an additional help during setup.

WINDOWS 10

For this setup, you need to be on **Windows 10**, with all the latest updates installed.

To check your Windows version:

- > Press `Windows + R`
- > Press `winver`
- > Press `Enter`

If the first words of this window are Windows 10 you're good to go! If not, please upgrade to Windows 10.

LATEST UPDATES

Open Windows update:

- > Press `Windows + R`
- > Type `ms-settings:windowsupdate`
- > Press `Enter`
- > Click on `Check updates`

If you have updates available please install them and repeat the process until it says that you are up to date.

MINIMUM VERSION

For some of the tools we use we need the `1903` version or above.
Let's check which version you have:

- > Press `Windows + R`
- > Type `winver`
- > Press `Enter`

If it says at least 19041, you are good to go!

VIRTUALIZATION

Let's check if the virtualization options are enabled in the BIOS of your computer:

- > Press `Windows + R`
- > Type `taskmgr`
- > Press `Enter`
- > Click on the `Performance` tab
- > Click on `CPU`

If it says `virtualization: enabled` in the right column, you are good to go! If it is disabled or missing, please follow the next slide.

ENABLE VIRTUALIZATION

These steps depend on the motherboard in your PC. If you have any difficulties try to look up the steps for your specific PC model on Google.

- Restart your computer
- Press the BIOS hotkey during startup
Usually: Esc, F2, Del, etc.
- Change BIOS mode to Advanced
- Search for CPU Virtualization
- Enable it and save & exit the BIOS

WINDOWS SUBSYSTEM FOR LINUX

WSL is the development environment we are using to run Ubuntu. You can learn more about WSL [here](#).

- > Press `Windows + R`
- > Type `powershell`
- > Press `Ctrl + Shift + Enter`

You use the `Ctrl + Shift + Enter` key stroke to execute Windows PowerShell with administrator privileges.

You may have to accept the UAC confirmation about the privilege elevation.

INSTALL WSL

A blue terminal window will appear:

- > Copy the following commands
- > Paste them into the PowerShell window by **right-clicking** into it (Ctrl + V does not work here!)
- > Run them by pressing `Enter`

```
wsl --install
```

```
wsl --set-default-version 2
```

```
wsl --update
```

If you have an older Windows version follow these [instructions](#).

INSTALL UBUNTU (TERMINAL)

- > Click on `Start`
- > Type `CMD`
- > Open the command prompt
- > Type in the command `wsl --install -d Ubuntu` and hit `enter`

If this does not work, you can also install Ubuntu as described in the next step.

INSTALL UBUNTU (WINDOWS STORE)

Only follow these instructions if the previous step did not work!

- > Click on **Start**
- > Type **Microsoft Store**
- > Click on the Microsoft Windows Store in the list
- > Search for **Ubuntu** in the search bar
- > Select version without any number, just plain "Ubuntu"
- > Click on **Install**

Don't install **Ubuntu 18.04 LTS** nor **Ubuntu 20.04!**

LAUNCH UBUNTU

Once the installation is done, the Install button becomes a **Launch** button. Click on it.

At first launch, you will be asked some information: username and password.

When typing the password, nothing will not appear on the screen – there will be no familiar typing indicator even though your keystrokes are being registered.

CONNECTING VS CODE TO UBUNTU

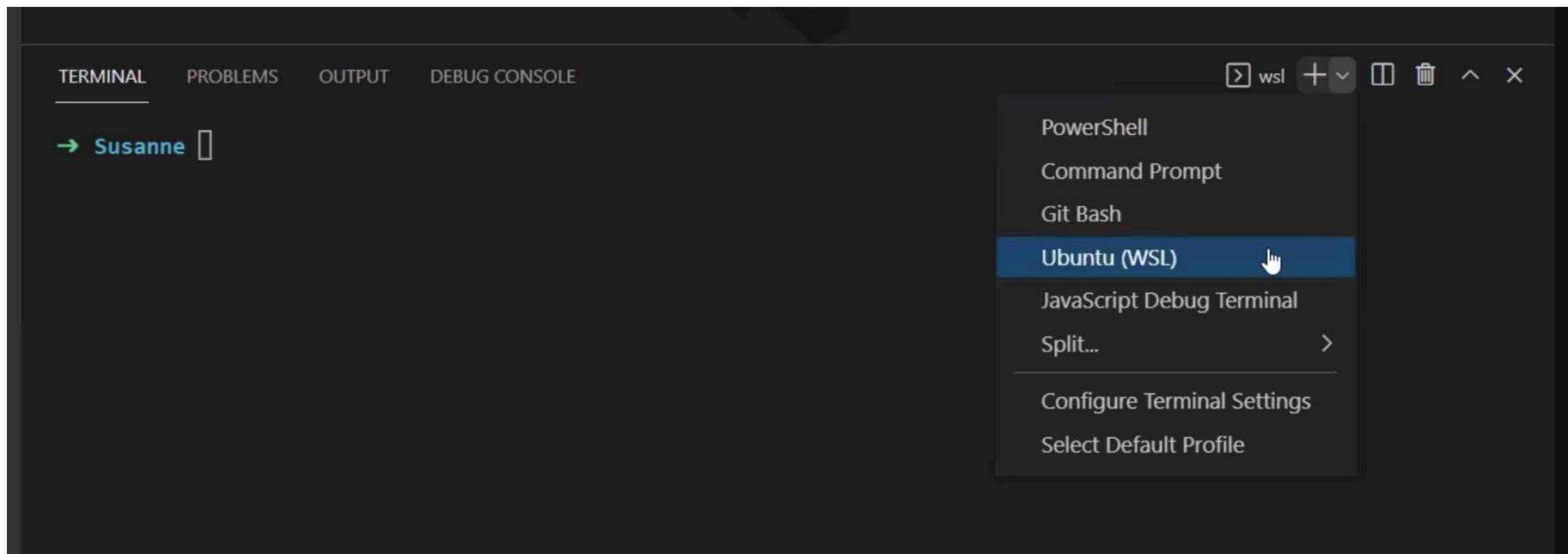
When you launch VS Code after installing Ubuntu, you should have a frame at the bottom-right corner of VS Code saying it detects WSL. Accept the installation of the WSL extension for VS Code.

In case you don't get that window, this is the extension: [Remote - WSL](#)

INSTALL FISH

During the bootcamp we will use the shell named `fish`:

> Open the Ubuntu terminal in VS Code



INSTALL FISH

For all users: Windows, Mac and Linux.

During the bootcamp we will use the shell named `fish`:


- Go to the website fishshell.com
- Go to the section "Go fish"
- Select your Operating System
- Follow the instructions to install
- Follow [this guideline](#) to configure VSC to use fish
- Type `fish_config` in your terminal and pimp your fish shell in the web configurator

OTHER TOOLS WE USE

- > Google classroom
- > GSuite: email, calendar, drive
- > Slack
- > Zoom

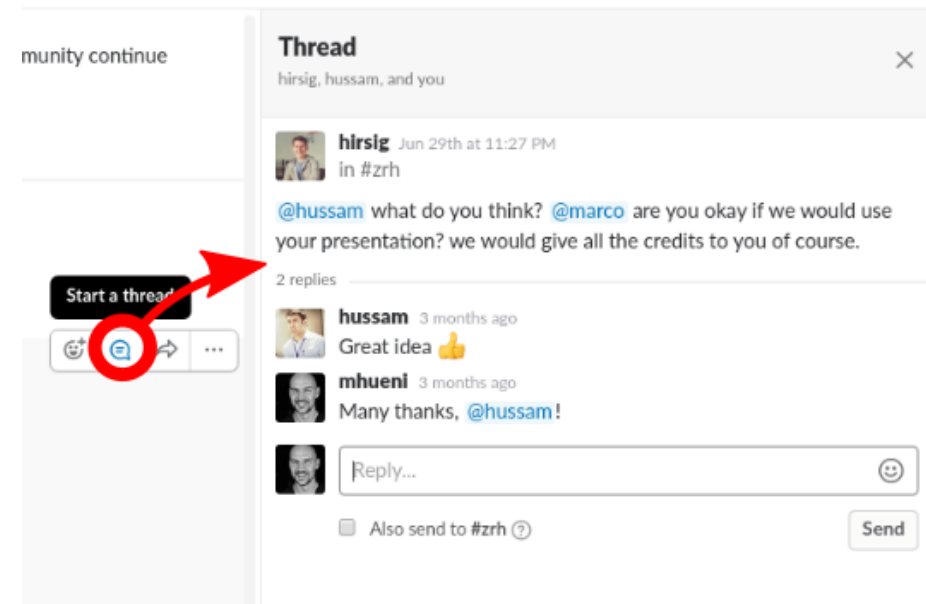
Nothing new, but make sure it is available on the laptop you use during the bootcamp.

POWERCODERS COURSE CHANNELS

- >  `ch-24-1-bootcamp` - The channel for everyone involved in this class
 - > Announcements from teachers, coaches, mentors
 - > Questions from you
 - > Success stories, achievements, news
- > `#zrh, #ch-resources`
 - > Interesting articles, job offers, courses
- > `#ch-random`
 - > Everything else
- > `#100hrs`

RULES FOR SLACK

- > Use the appropriate channel
Not sure? `#ch-random`
- > Use `@[username]` in a message / in a channel to notify them
- > Using `@channel` in a message notifies everyone in the channel
- > Use threads



GUIDELINES FOR VIDEO CALLS

- Have your camera on, so everybody can see each other
- Use your headphones and try to find a quiet spot if possible
- Be ready 10 minutes before the start and check if microphone and camera are working
- Mute your microphone when not speaking
- Raise your hand when you want to speak
- Use thumbs up & down for simple yes or no questions
- Leave food for the breaks; chewing sounds and visuals are not appreciated

online etiquette



Mute
yourself



Press
spacebar to
unmute



Want to
speak



Yes /
agree



No /
disagree

HOW TO USE ZOOM

- > Chats
- > Reactions
- > Non-verbal feedback

SOME USEFUL LINKS

USEFUL LINKS FOR REMOTE WORK

- [Music for concentration](#)
- [How to organise your workspace](#)
- [How to make remote working work for you](#)

USEFUL WEBSITES

- > [How to learn and get better in programming](#)
- > [Stack Overflow](#)
- > [CSS Tricks](#)
- > [W3schools](#)
- > [MDN web docs](#)
- > [Smashing Magazine](#)
- > [A list apart](#)

USEFUL YOUTUBE CHANNELS

- > Layout Land
- > Mozilla Developer
- > Codecademy
- > Freecodecamp
- > NetNinja

