

CSS

CSS FUNDAMENTALS

GETTING STARTED

# Environment setup



**IN A ROCKET**

Learn front-end development at *rocket speed*

**EDITOR**

**+**

**BROWSER**

**+**

**DEV TOOLS**

# ENVIRONMENT SETUP: EDITOR

## Editor: pre-installed

You can just use any text editor preinstalled in your computer.



Notepad



TextEdit



Gedit



Sublime Text



VS Code



Atom



## Editor: additional

There are more advanced editors to code. We will use VS Code for this course.

You can use any editor to develop CSS projects. We suggest using VS Code in this workshop as it includes Emmet out-of-the-box. It makes easier to build HTML and be more focused on your CSS.



Most popular IDE.  
Source: [Stack Overflow Developer Survey 2022](#).

**EDITOR**

**+**

**BROWSER**

**+**

**DEV TOOLS**

# ENVIRONMENT SETUP: BROWSER

## Browser: pre-installed

You can just use any preinstalled browser in your computer.



Edge



Safari



Firefox



Chrome



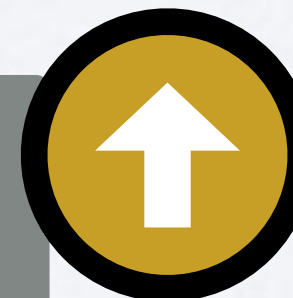
Firefox



Opera



Most used browser worldwide.  
Source: [StatCounter](#).



We will use its  
[Grid Inspector](#) tool  
when creating layouts.



**EDITOR**

**+**

**BROWSER**

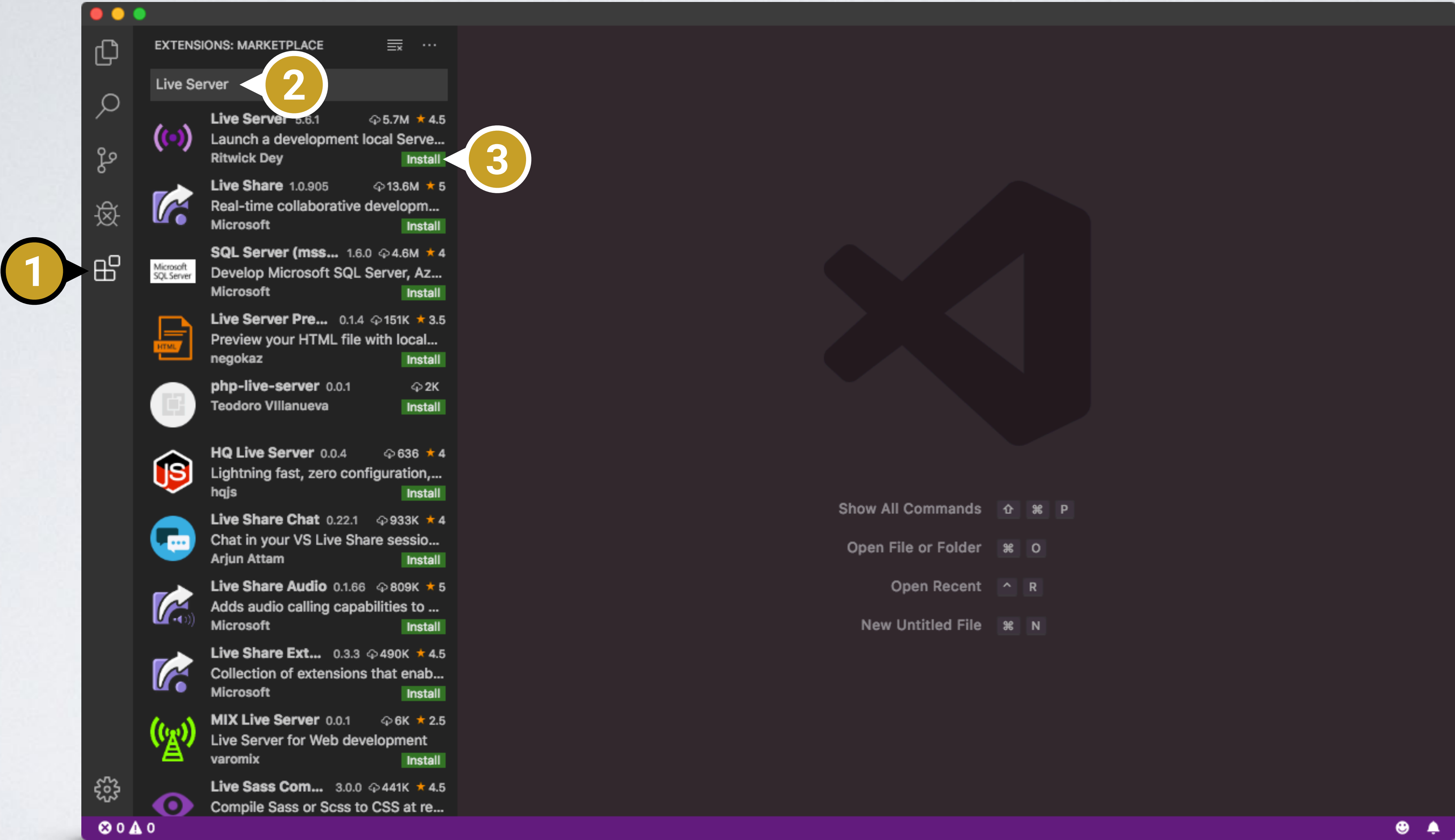
**+**

**DEV TOOLS**

# VISUAL STUDIO CODE: LIVE SERVER

The screenshot shows the Visual Studio Marketplace page for the 'Live Server' extension. The page is dark-themed with a purple header. At the top, it says 'Visual Studio | Marketplace' and 'Sign in'. Below the header, the breadcrumb 'Visual Studio Code > Other > Live Server' is visible. The main content area features the extension's logo (a purple Wi-Fi symbol), the name 'Live Server' by Ritwick Dey, and statistics: 2,690,650 installs, a 4.7/5 star rating from 199 reviews, and it is free. A green 'Install' button and a 'Trouble Installing?' link are present. Below this, there are tabs for 'Overview', 'Q & A', and 'Rating & Review'. A message from the author reads: '[I'm sorry but I'm super busy now. If you want to be a maintainer of the project, please feel free to contact me! You've to be passionate about programming]'. The 'Live Server' section highlights that it loves multi-root workspaces and provides links for server-side pages like PHP and a solution for a 'command not found error #78'. A status bar shows 'v5.6.1', '5.8M downloads', and a '4.7/5 (199)' rating. It also indicates 'travis branch passing', 'appveyor branch failing', and 'license MIT'. A description states: 'Launch a local development server with live reload feature for static & dynamic pages.' Below this is a preview image showing the Visual Studio Code editor with an HTML file open and a browser window displaying a live preview of a website titled 'Acme Web Design'. On the right side, there are sections for 'Categories' (Other), 'Tags' (HTML Preview, keybindings, live preview, live reload, multi-root ready, open in browser, svg preview), 'Resources' (Issues, Repository, Homepage, License, Changelog, Download Extension), and 'Project Details' (ritwickdey/vscode-live-server, 7 Pull Requests, 226 Open Issues).

# VISUAL STUDIO CODE: LIVE SERVER

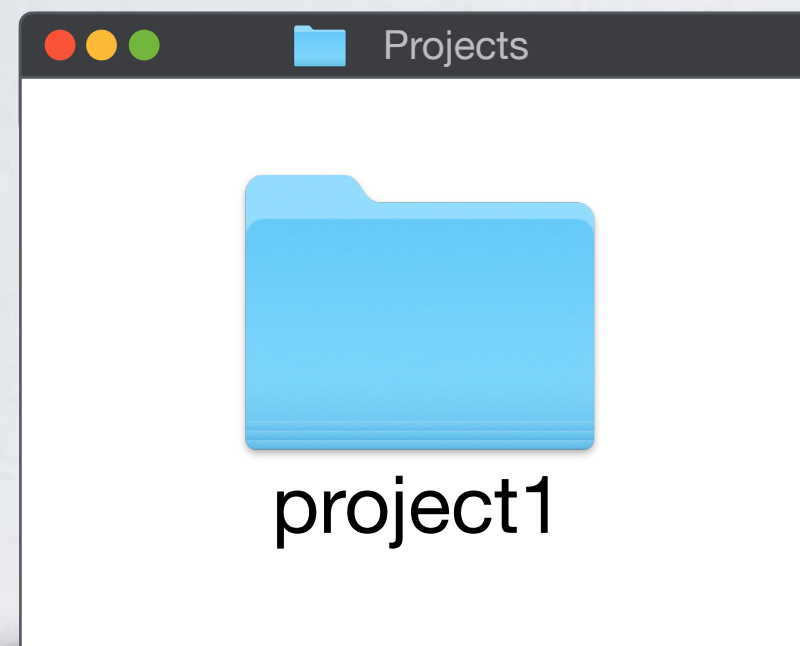




# VISUAL STUDIO CODE: LIVE SERVER

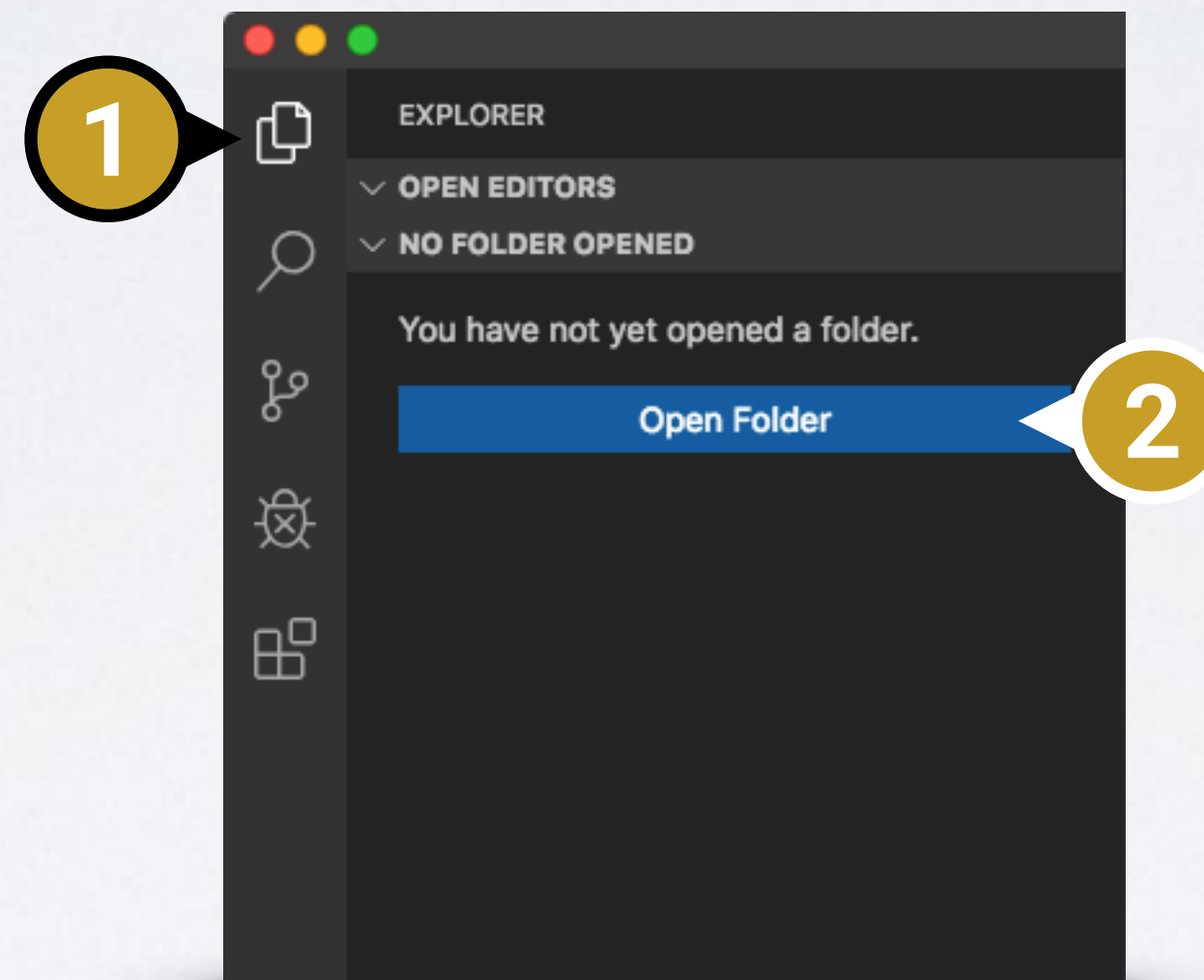
## 1- PROJECT FOLDER

Create a folder for your project.



## 2- OPEN IN VSCODE

Open that folder with Visual Studio Code.



## 3- LAUNCH LIVE SERVER

Create an HTML file, save it and open it in your browser via Live Server.



# INSTALLATION

*How to install your environment automatically*



Chocolatey



Homebrew

macOS

# WINDOWS: INSTALL YOUR ENVIRONMENT WITH CHOCOLATEY

The screenshot shows the Chocolatey website homepage. At the top, there is a navigation bar with links for Main, Community, Docs, Blog, and Install, along with a search icon. Below this is a secondary navigation bar with links for Overview, Product, Solutions, Community, and About, and a 'Try It Now' button. The main heading reads 'THE PACKAGE MANAGER FOR WINDOWS' with the subtitle 'Modern Software Automation'. Three buttons are visible: 'Why Chocolatey', 'Get Started', and 'Find Packages'. The 'Get Started' button is highlighted with a yellow circle and a white arrow. Below the navigation are three featured content blocks. The first block is an announcement for Chocolatey's 11th birthday, featuring a birthday cake and balloons, with a 'Read the Blog' link. The second block is a webinar replay titled 'CHOCOLATEY AND INTUNE OVERVIEW' from March 30, 2022, featuring speakers Cory Knox and Stephen Valdinger, with a 'Watch On-Demand' link. The third block is a Twitch live demo titled 'FIND IT, ADD IT INSTALL IT WITH SCRIPT BUILDER' from April 7, 2022, with speakers Paul Broadwith, Gary Ewan Park, and Stephanie Hays, with links for 'Follow on Twitch' and 'Add to Calendar'.

Main Community Docs Blog Install

> Overview > Product > Solutions > Community > About Try It Now

## THE PACKAGE MANAGER FOR WINDOWS

Modern Software Automation

Why Chocolatey Get Started Find Packages

**Announcing 11 Years of Chocolatey**  
Happy Birthday to Chocolatey! As we turn 11 this week we wanted to make an epic announcement!

[Read the Blog →](#)

**Live Webinar CHOCOLATEY AND INTUNE OVERVIEW**  
30 March 2022 • 3 PM UTC

Webinar Replay from Wednesday, 30 March 2022

Let us teach you just how simple it could be to keep your 3rd party applications updated across your devices, all with Intune!

[Watch On-Demand](#)

**LIVE ON Twitch FIND IT, ADD IT INSTALL IT WITH SCRIPT BUILDER**  
7 April 2022 at 4PM UTC

Thursday, 07 Apr 2022  
6:00 PM GMT+2 / 4:00 PM UTC

Script Builder allows you to bulk install Chocolatey packages in just a few clicks. Join us on Twitch as we dive into Script Builder with a live demo.

[Follow on Twitch](#) [Add to Calendar ▼](#)

# WINDOWS: INSTALL YOUR ENVIRONMENT WITH CHOCOLATEY

## ▼ Step 2: Choose Your Installation Method

### Know the Requirements:

- Windows 7+ / Windows Server 2003+
- PowerShell v2+ (minimum is v3 for install from this website due to [TLS 1.2 requirement](#))
- .NET Framework 4+ (the installation will attempt to install .NET 4.0 if you do not have it installed)(minimum is 4.5 for install from this website due to [TLS 1.2 requirement](#))

### 1. Choose How to Install Chocolatey:

Generic

Individual

Ansible

CHEF

PS DSC

puppet

### Install Chocolatey for Individual Use:

1. First, ensure that you are using an [administrative shell](#) - you can also install as a non-admin, check out [Non-Administrative Installation](#).
2. Install with powershell.exe

**NOTE:** Please inspect <https://community.chocolatey.org/install.ps1> prior to running any of these scripts to ensure safety. We already know it's safe, but you should verify the security and contents of **any** script from the internet you are not familiar with. All of these scripts download a remote PowerShell script and execute it on your machine. We take security very seriously. [Learn more about our security protocols](#).

With PowerShell, you must ensure [Get-ExecutionPolicy](#) is not Restricted. We suggest using [Bypass](#) to bypass the policy to get things installed or [AllSigned](#) for quite a bit more security.

- Run [Get-ExecutionPolicy](#). If it returns [Restricted](#), then run [Set-ExecutionPolicy AllSigned](#) or [Set-ExecutionPolicy Bypass -Scope Process](#).

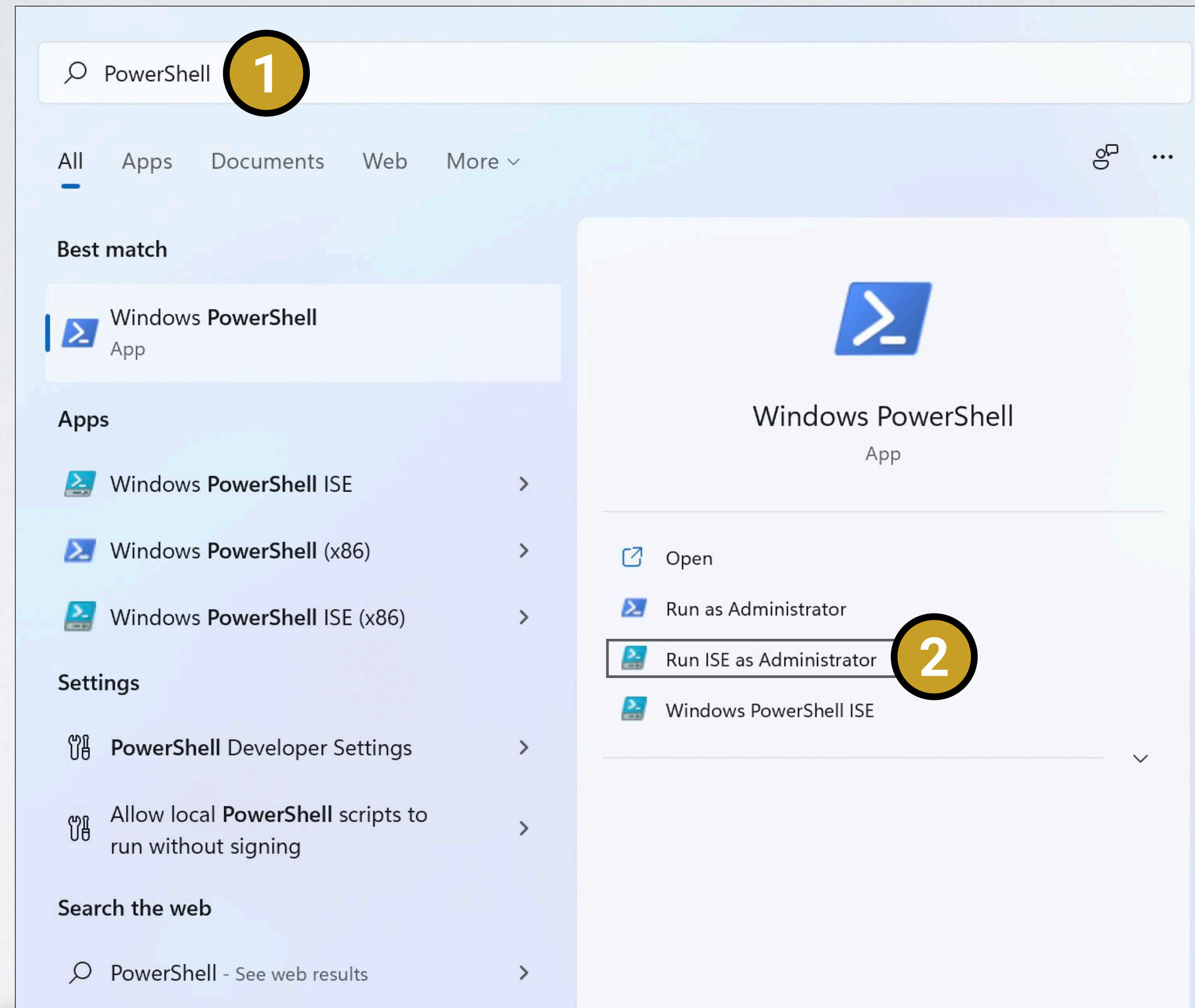
Now run the following command:

```
> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; ie
```

3. Paste the copied text into your shell and press Enter.



# WINDOWS: INSTALL YOUR ENVIRONMENT WITH CHOCOLATEY



SOURCE: [Chocolatey / Install](#).

# WINDOWS: INSTALL YOUR ENVIRONMENT WITH CHOCOLATEY

Administrator: Windows PowerShell

```
> Set-ExecutionPolicy Bypass -Scope Process -Force;  
[System.Net.ServicePointManager]::SecurityProtocol =  
[System.Net.ServicePointManager]::SecurityProtocol -bor 3072;  
iex ((New-Object  
System.Net.WebClient).DownloadString('https://  
community.chocolatey.org/install.ps1'))
```



Paste from clipboard

SOURCE: [Chocolatey / Install.](#)

# WINDOWS: INSTALL YOUR ENVIRONMENT WITH CHOCOLATEY

Administrator: Windows PowerShell

```
> choco install googlechrome firefox vscode -y
```

Install two browsers and a code editor automatically



Now your work environment is ready and you can easily keep your tools updated with this command:

```
Administrator: Windows PowerShell
```

```
> choco upgrade all
```



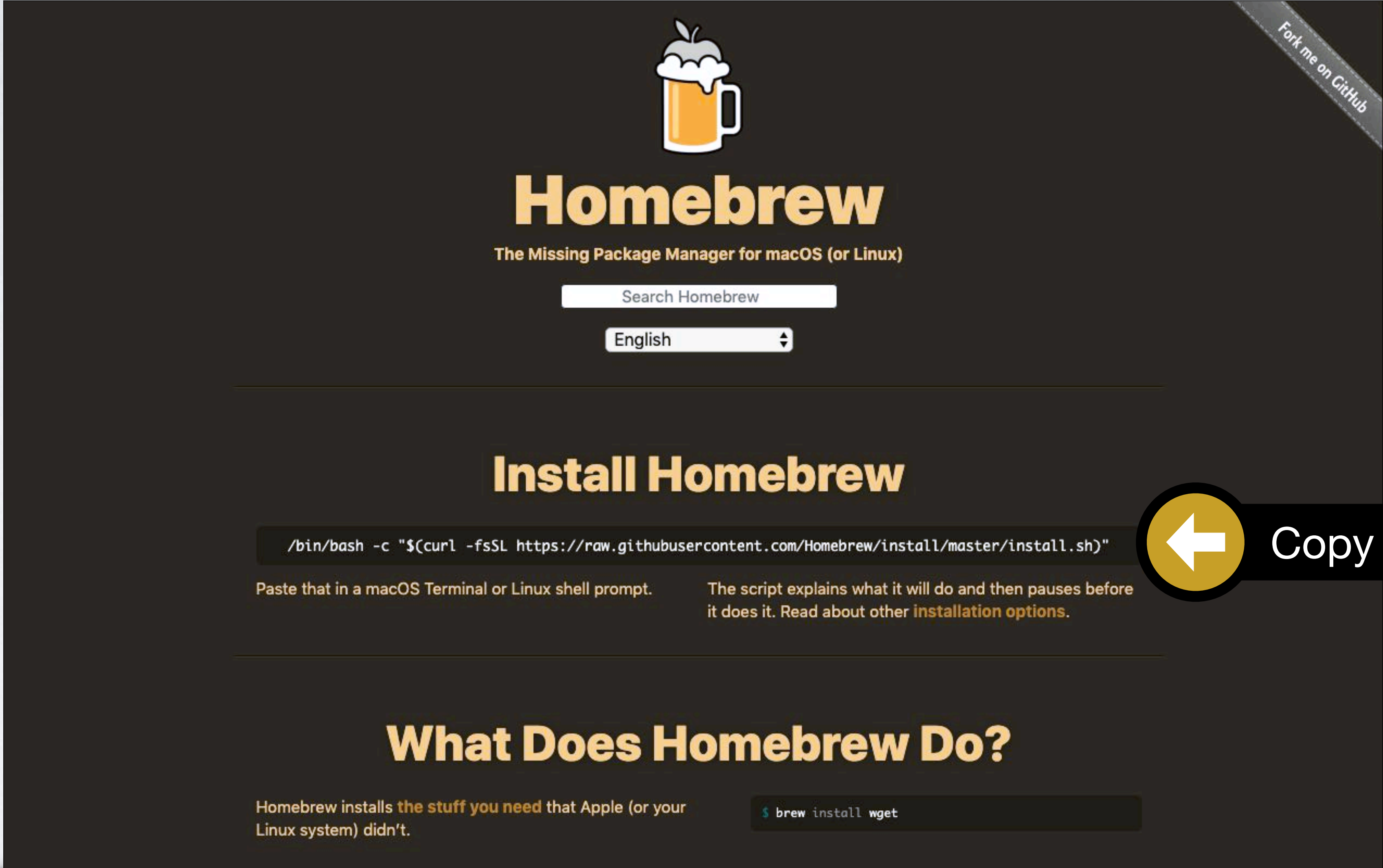
Chocolatey



Homebrew

macOS

# MACOS: INSTALL YOUR ENVIRONMENT WITH HOMEBREW



The screenshot shows the Homebrew website interface. At the top, there is a logo of a beer mug with a slice of apple on top. Below the logo, the word "Homebrew" is written in a large, bold, yellow font. Underneath, it says "The Missing Package Manager for macOS (or Linux)". There is a search bar labeled "Search Homebrew" and a language dropdown menu currently set to "English". A diagonal banner in the top right corner says "Fork me on GitHub".

## Install Homebrew

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install.sh)"
```

Paste that in a macOS Terminal or Linux shell prompt. The script explains what it will do and then pauses before it does it. Read about other [installation options](#).

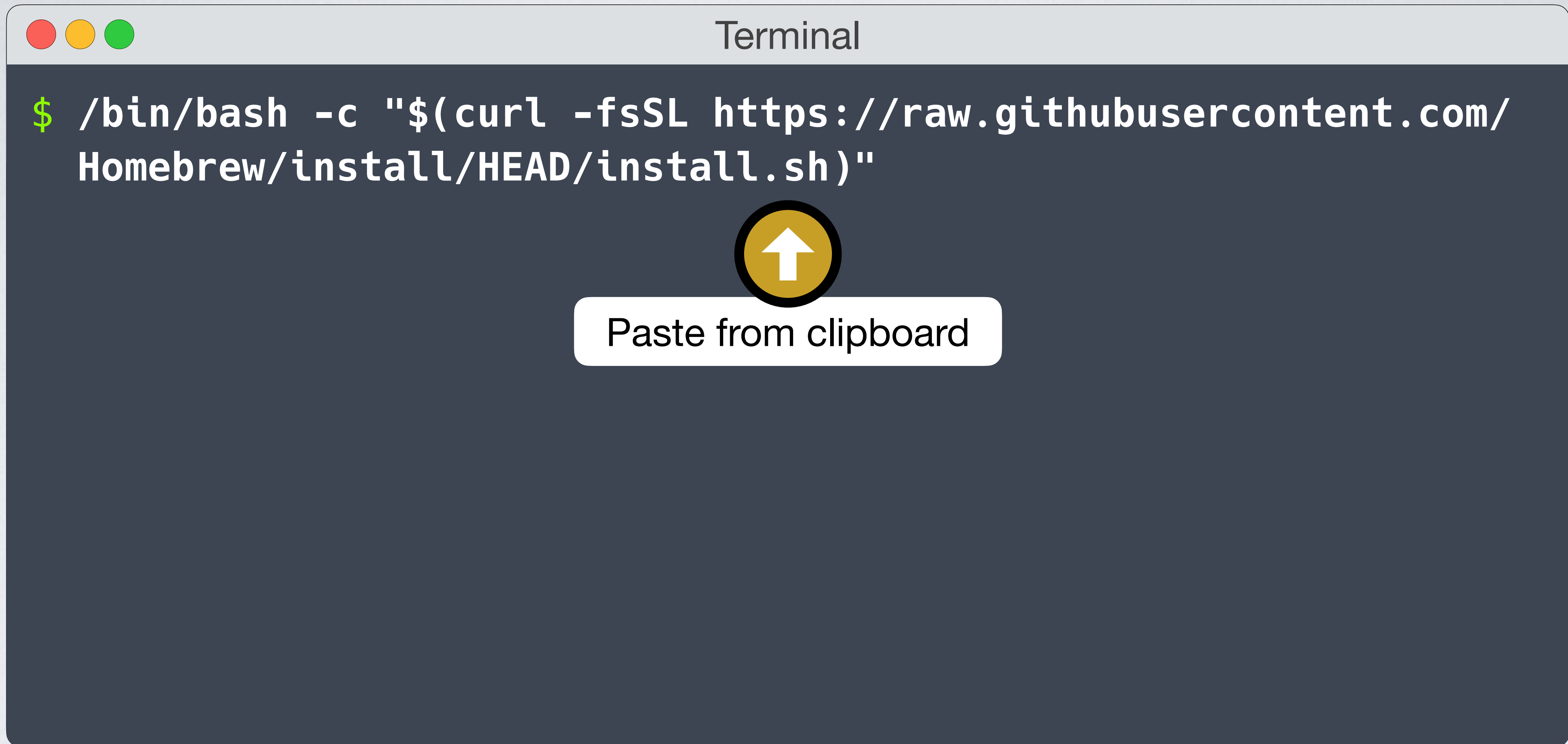
## What Does Homebrew Do?

Homebrew installs **the stuff you need** that Apple (or your Linux system) didn't.

```
$ brew install wget
```

A yellow circular button with a white left-pointing arrow and the text "Copy" is overlaid on the right side of the terminal code block.

# MACOS: INSTALL YOUR ENVIRONMENT WITH HOMEBREW



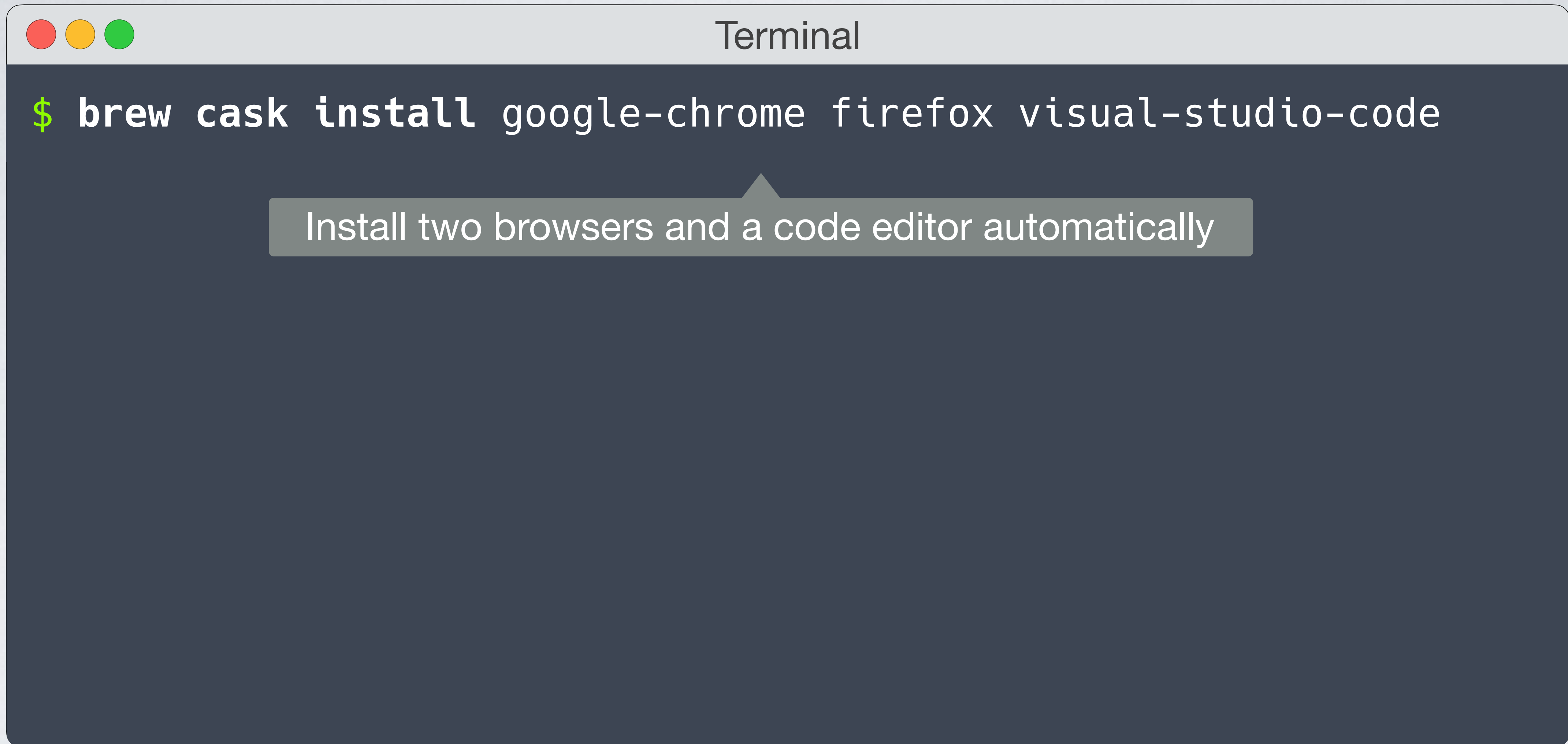
A terminal window titled "Terminal" with three colored window control buttons (red, yellow, green) in the top-left corner. The terminal displays a command to install Homebrew using curl. Below the command, there is a yellow circular icon with a white upward-pointing arrow, and a white rounded rectangle containing the text "Paste from clipboard".

```
$ /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

Paste from clipboard

SOURCE: [Homebrew](#) and [Homebrew-Cask](#).

# MACOS: INSTALL YOUR ENVIRONMENT WITH HOMEBREW

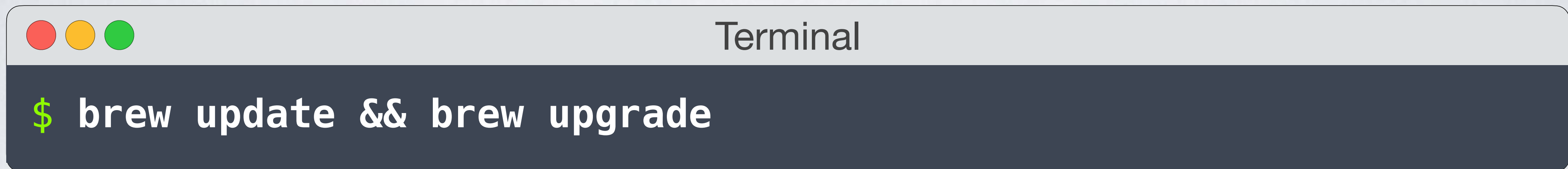


```
Terminal  
$ brew cask install google-chrome firefox visual-studio-code
```

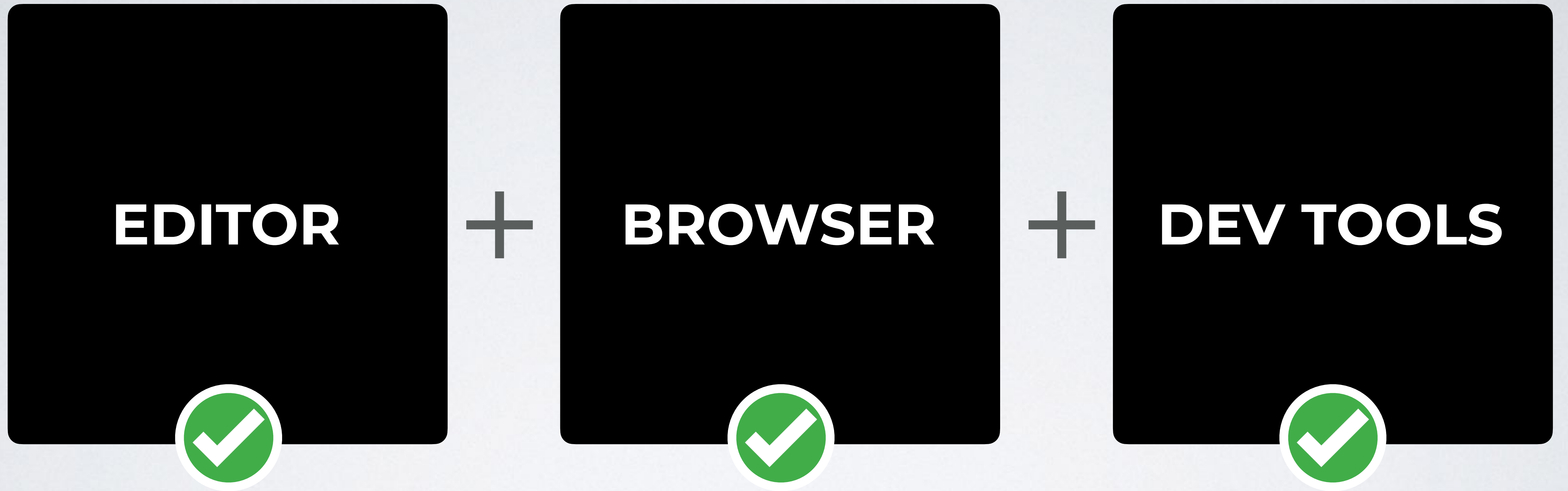
Install two browsers and a code editor automatically

# MACOS: INSTALL YOUR ENVIRONMENT WITH HOMEBREW

Now your work environment is ready and you can easily keep your tools updated with this command:



```
Terminal  
$ brew update && brew upgrade
```



CSS

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GETTING STARTED

# Environment setup



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