

Visual Studio Code

Tips and Tricks

Foreword



Contribute on  [GitHub](#)



View Online neave.dev/vscode



Download [PowerPoint](#) and [PDF](#)

Documentation and Updates

Topic	Sub-Topic
Documentation	
	Intro Videos
	Tips and Tricks
	Updates
YouTube	

Inbuilt Features

Help Menu

- Keyboard Shortcut reference
- Walkthroughs
- Editor Playground

Interactive Editor Playground

The core editor in VS Code is packed with features. This page highlights a number of them and lets you interactively try them out through the use of

- [Multi-cursor Editing](#) - block selection, select all occurrences, add additional cursors and more.
- [IntelliSense](#) - get code assistance and parameter suggestions for your code and external modules.
- [Line Actions](#) - quickly move lines around to re-order your code.
- [Rename Refactoring](#) - quickly rename symbols across your code base.
- [Formatting](#) - keep your code looking great with inbuilt document & selection formatting.
- [Code Folding](#) - focus on the most relevant parts of your code by folding other areas.
- [Errors and Warnings](#) - see errors and warnings as you type.
- [Snippets](#) - spend less time typing with snippets.
- [Emmet](#) - integrated Emmet support takes HTML and CSS editing to the next level.
- [JavaScript Type Checking](#) - perform type checking on your JavaScript file using TypeScript with zero configuration.

Multi-Cursor Editing

Using multiple cursors allows you to edit multiple parts of the document at once, greatly improving your productivity. Try the following actions in the

1. Box Selection - press any combination of `Shift+DownArrow`, `Shift+RightArrow`, `Shift+UpArrow`, `Shift+LeftArrow` to select a block
2. Add a cursor - press `Ctrl+Alt+UpArrow` to add a new cursor above, or `Ctrl+Alt+DownArrow` to add a new cursor below. You can also use
3. Create cursors on all occurrences of a string - select one instance of a string e.g. `background-color` and press `Ctrl+Shift+L`. Now you can

That is the tip of the iceberg for multi-cursor editing. Have a look at the selection menu and our handy keyboard reference guide for additional actions.

```
1 #p1 {background-color: #ff0000; } ..... /* red in HEX format */
2 #p2 {background-color: hsl(120, 100%, 50%); } .... /* green in HSL format */
3 #p3 {background-color: rgba(0, 4, 255, 0.733); } /* blue with alpha channel in RGBA format */
```

Settings

Synchronized Settings

<https://code.visualstudio.com/docs/editor/settings-sync>

Customisation

Default settings

Ctrl+P and go to **Open User Settings (JSON)**

```
{
  "editor.fontFamily": "'Cascadia Code'",
  "editor.formatOnSave": true,
  "editor.rulers": [ 120 ],
  "editor.stickyScroll.enabled": true,
  "editor.trimAutoWhitespace": true,
  "explorer.fileNesting.enabled": true,
  "files.trimTrailingWhitespace": true,
  "git.branchPrefix": "yourusername/",
  "terminal.integrated.fontFamily": "'CaskaydiaCove Nerd Font Mono','Cascadia Code',Consolas,'Courier New',monospace",
  "workbench.sideBar.location": "right"
}
```

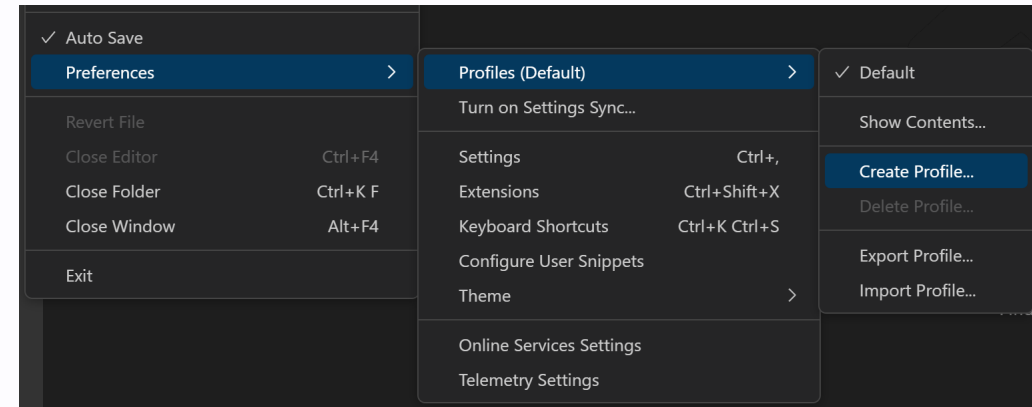

Profiles

VS Code has a Default Profile.

Use additional **profiles** for

- Settings
- Keyboard Shortcuts
- User Snippets
- User Tasks
- Extensions

Have a profile for
frontend, backend, AWS and
Azure



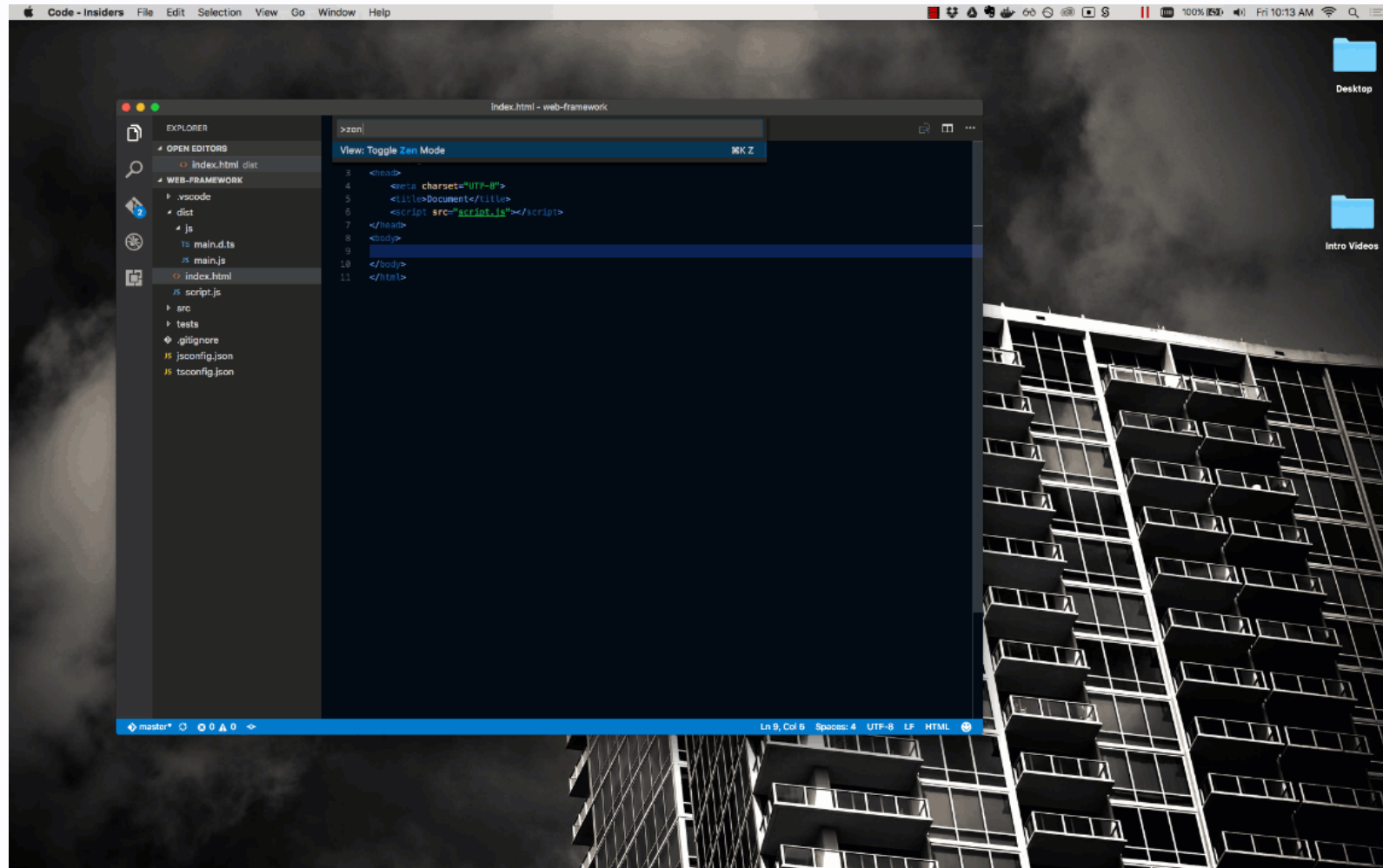
Display

Toggle Sidebar (Ctrl+B). Move the sidebar to the right

```
workbench.sideBar.location: "right"
```

Add a secondary sidebar with Outline view for better navigation

Zen Mode



Inbuilt Features

Navigation

Navigate between recently opened files and workspaces

`<kbd>Ctrl+R</kbd>`

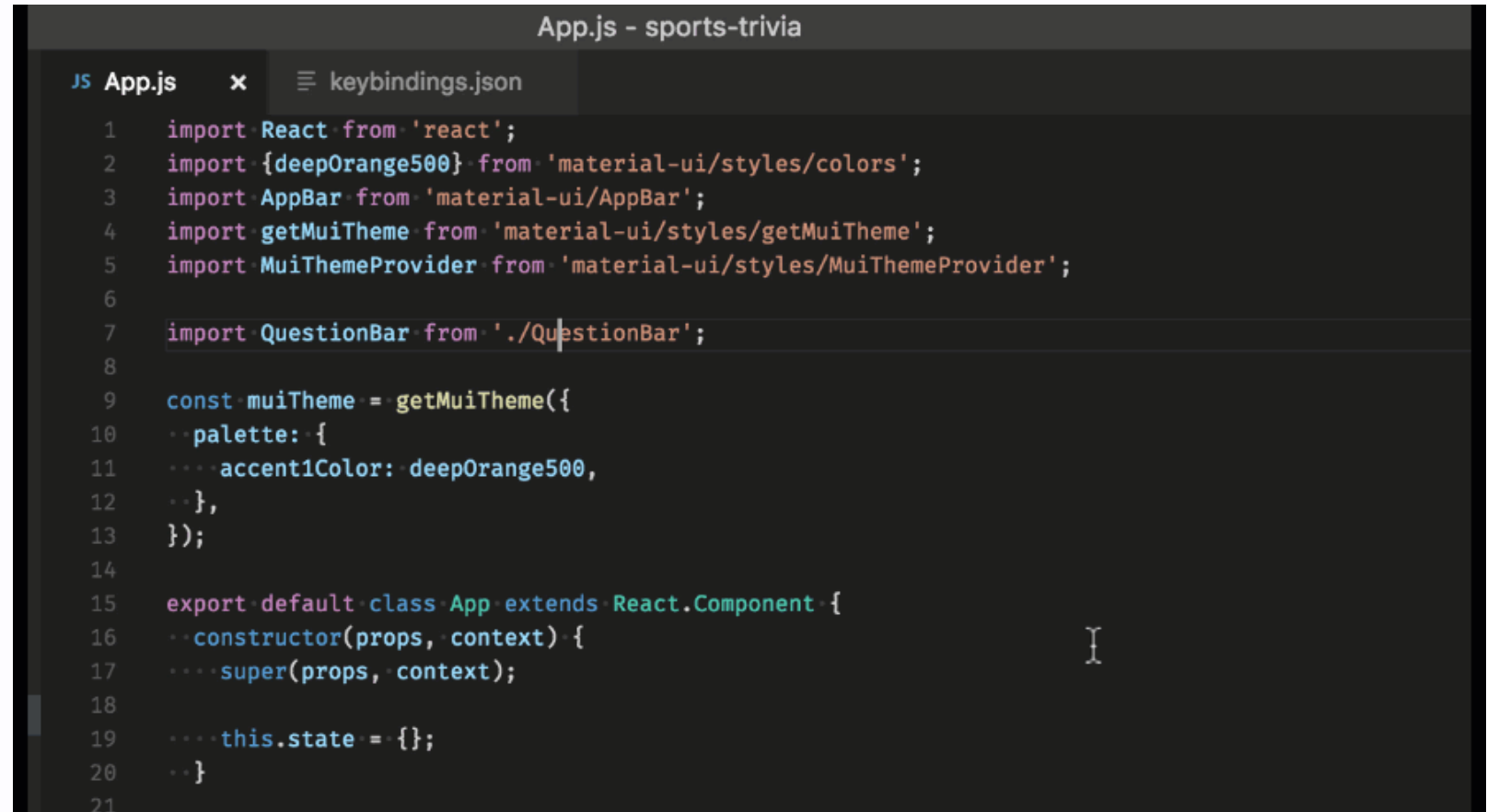
Multi-Root Workspaces

You can work with multiple project folders in Visual Studio Code with [multi-root workspaces](#).

```
{
  "folders": [
    {
      // Source code
      "name": "Product",
      "path": "vscode"
    },
    {
      // Docs and release notes
      "name": "Documentation",
      "path": "vscode-docs"
    },
    {
      // Yeoman extension generator
      "name": "Extension generator",
      "path": "vscode-generator-code"
    }
  ]
}
```

Command Palette

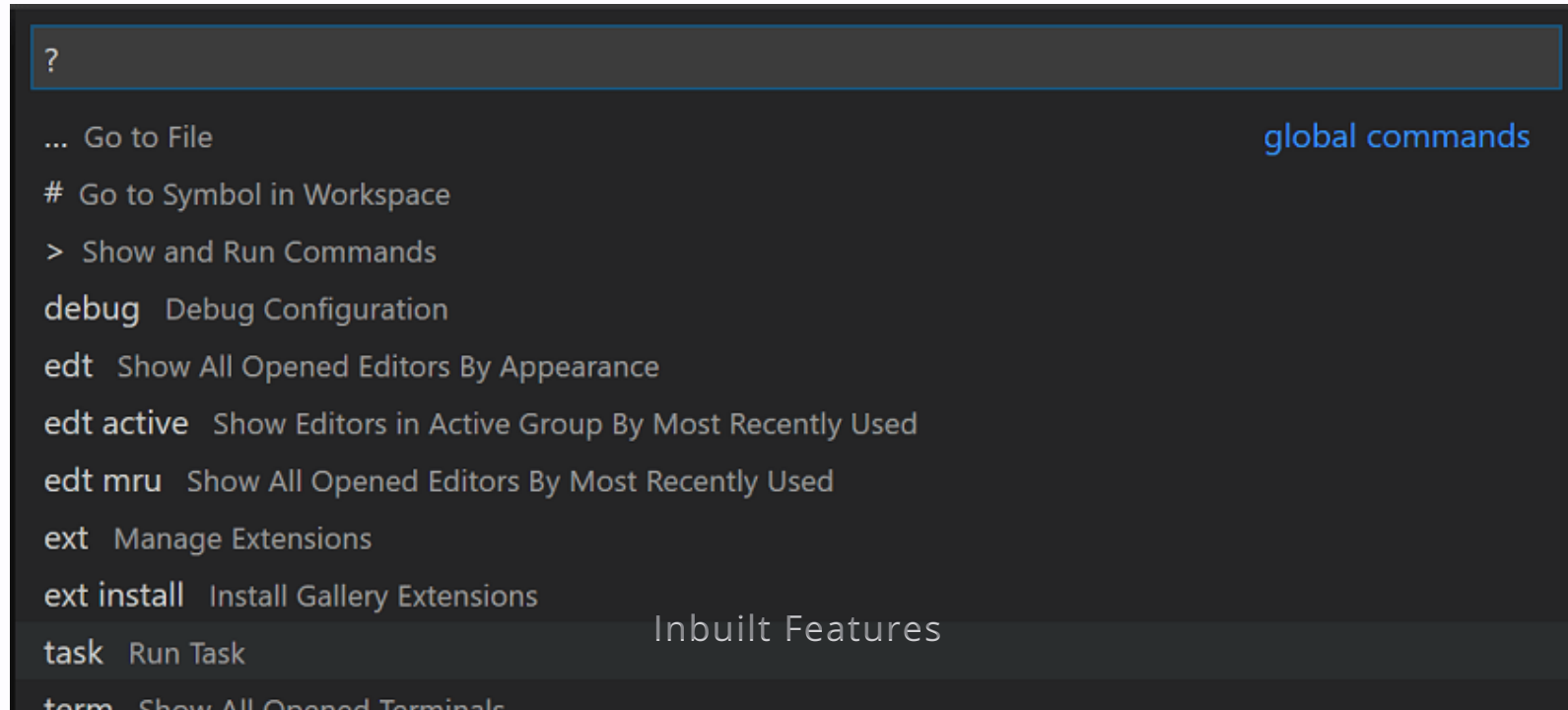
Ctrl+Shift+P



The screenshot shows a code editor with a dark theme. At the top, a tab is labeled 'App.js - sports-trivia'. Below the tab bar, the file 'App.js' is open, and the 'keybindings.json' file is also visible in the tab bar. The code in 'App.js' is as follows:

```
1  import React from 'react';
2  import {deepOrange500} from 'material-ui/styles/colors';
3  import AppBar from 'material-ui/AppBar';
4  import getMuiTheme from 'material-ui/styles/getMuiTheme';
5  import MuiThemeProvider from 'material-ui/styles/MuiThemeProvider';
6
7  import QuestionBar from './QuestionBar';
8
9  const muiTheme = getMuiTheme({
10    palette: {
11      accent1Color: deepOrange500,
12    },
13  });
14
15  export default class App extends React.Component {
16    constructor(props, context) {
17      super(props, context);
18
19      this.state = {};
20    }
21  }
```


Ctrl+P



Sticky Scroll

TS test.ts X

TS test.ts > TestClass > function1 > NestedFunction1

```
1  class TestClass {
2
3      function1() {
4
5          function NestedFunction1() {
6
7
8          }
9
10     }
11
12     function2() {
13
```

Inbuilt Features

Editing

- Sort Lines Ascending/Descending
- Transform Text

```
>transform|
```

Transform to Uppercase

recently used

Transform to Lowercase

Transform to Title Case

Tranform Example

Title	Hello World
Upper	HELLO WORLD
Lower	hello world
Camel	helloWorld

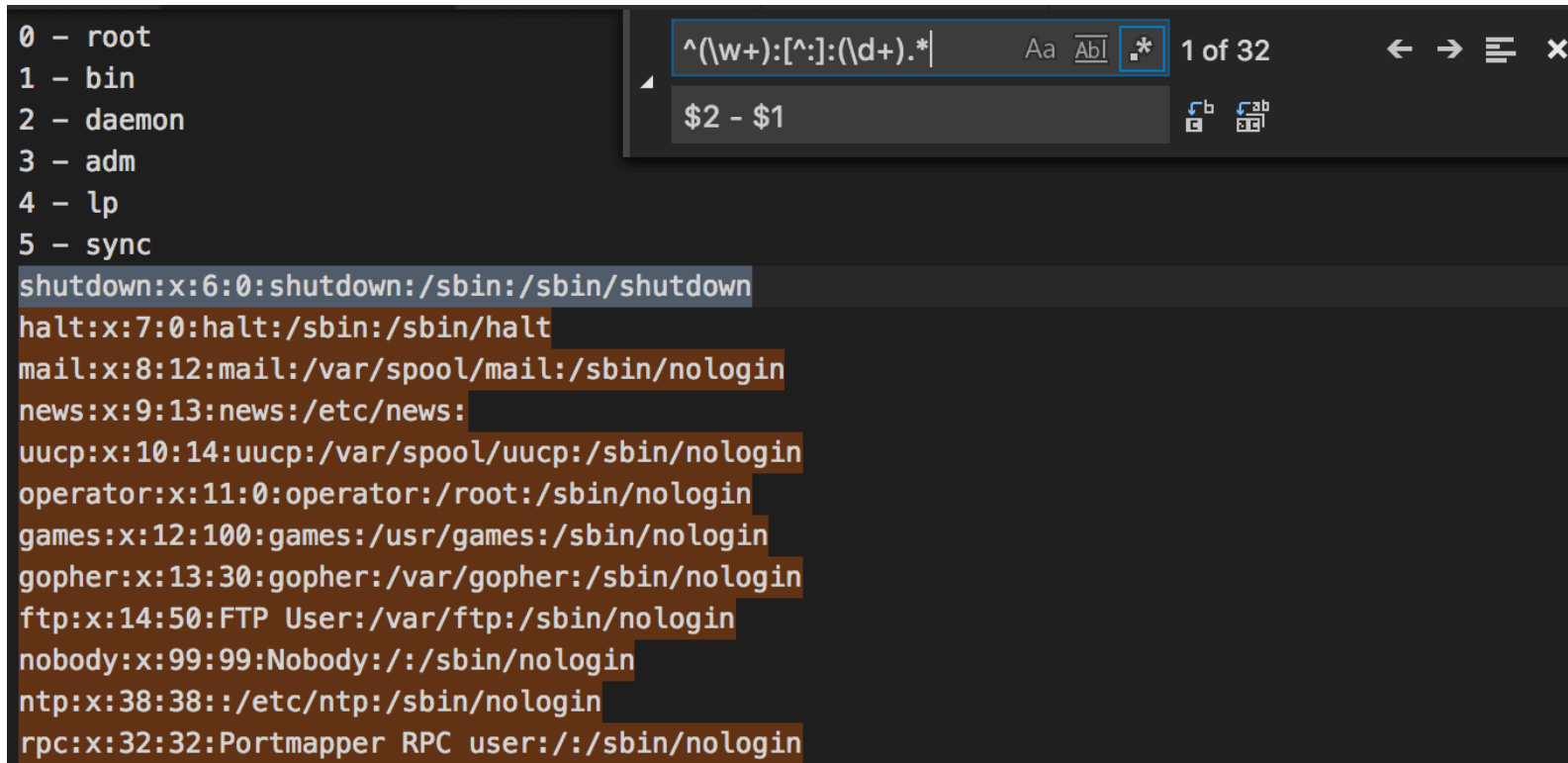
Inbuilt Features

Code Formatting

```
render() {  
  return (  
    <div className={s.app}>  
      <AppBar  
        title="Notes"  
        iconClassNameRight="muidocs-icon-navigation-expand-more"  
      />  
      <div style={{  
        marginTop: 20,  
        marginLeft: 20  
      }}>  
        <NewNote />  
        <Notes items={this.state.notes}/>  
      </div>  
    </div>  
  );  
}
```

Regex Search and Replace

```
0 - root
1 - bin
2 - daemon
3 - adm
4 - lp
5 - sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
news:x:9:13:news:/etc/news:
uucp:x:10:14:uucp:/var/spool/uucp:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
gopher:x:13:30:gopher:/var/gopher:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
ntp:x:38:38:/:etc/ntp:/sbin/nologin
rpc:x:32:32:Portmapper RPC user:/:/sbin/nologin
```

A screenshot of a terminal window with a dark background. On the left, a list of system users is displayed, each on a new line. The first five lines are numbered 0 through 5, followed by a blank line, and then the names of the users: shutdown, halt, mail, news, uucp, operator, games, gopher, ftp, nobody, ntp, and rpc. Each user entry is followed by a colon and a series of fields separated by colons. The first field is the username, the second is the password (all are 'x'), the third is the UID, the fourth is the GID, the fifth is the user's full name, and the sixth is the home directory and shell. The 'shutdown' entry is highlighted with a blue background. To the right of the terminal output, there is a search bar with a dark background. It contains a regex pattern: ^(\w+):[^:](\d+).*. The search bar has a dropdown menu with 'Aa' and 'AbI' options. To the right of the search bar, it says '1 of 32'. Below the search bar, there is a replacement field with the text '\$2 - \$1'. There are also some icons for search and replace.

Multi Cursor (CTRL+D)

Edit Text Vertically with **multi-cursor**

```
31 .global-message-list.transition {  
32 →   -webkit-transition: top 200ms linear;  
33 →   -ms-transition:      top 200ms linear;  
34 →   -moz-transition:     top 200ms linear;  
35 →   -khtml-transition:   top 200ms linear;  
36 →   -o-transition:       top 200ms linear;  
37 →   transition:          top 200ms linear;  
38 }
```

Expanding and Shrinking Selection

Shift+Alt+Left and Shift+Alt+Right

Ever tried to find the start and end of a large `<div>`
`</div>` ?

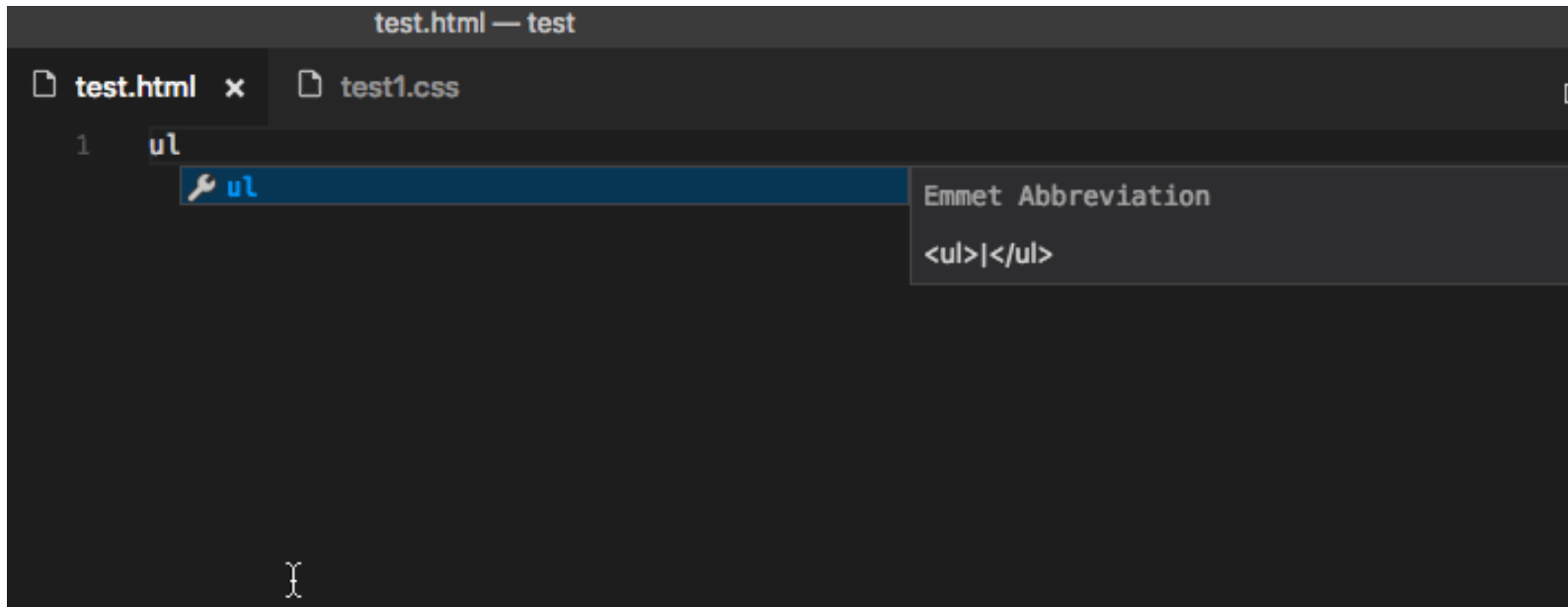
```
7 namespace Hello1
8 {
    0 references
9     class Program
10    {
        0 references
11        static void Main(string[] args)
12        {
13            System.Console.WriteLine("Hello World!");
14        }
15    }
16 }
```


Hide Text for easier reading

```
class App extends Component {  
  
  constructor() {  
    super();  
    this.state = {  
      notes: [  
        {  
          text: "go to the grocery store"  
        },  
        {  
          text: 'read medium article about engineering'  
        },  
        {  
          text: 'create build session'  
        },  
        {  
          text: 'fix bug #232'  
        }  
      ]  
    };  
  }  
}
```

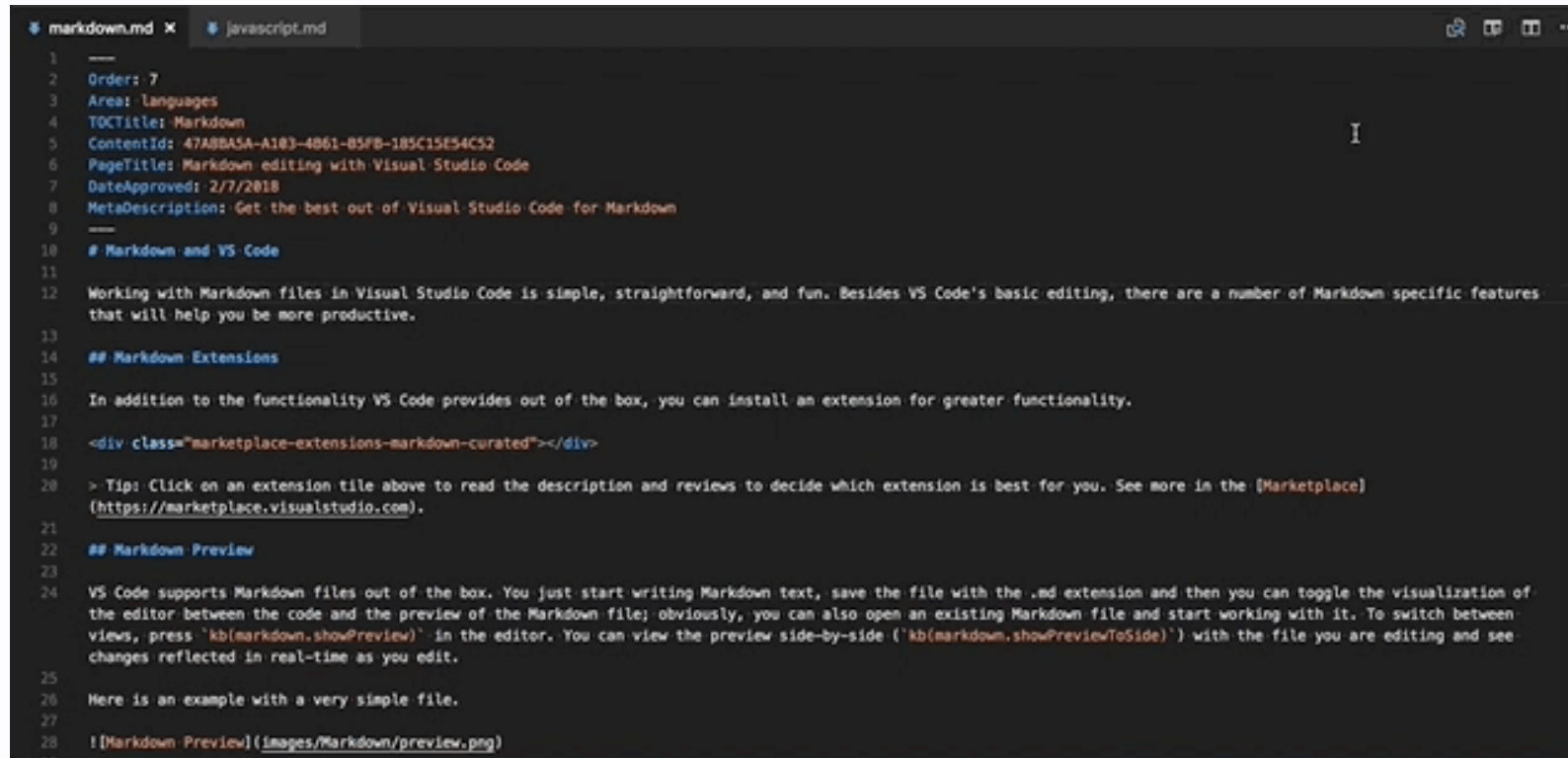
Emmet

Generate HTML from shorthand



Works with multi-cursors

Markdown preview



```
1 ---
2 Order: 7
3 Area: languages
4 TOCTitle: Markdown
5 ContentId: 47A8B5A-A103-4861-85FB-185C15E54C52
6 PageTitle: Markdown editing with Visual Studio Code
7 DateApproved: 2/7/2018
8 MetaDescription: Get the best out of Visual Studio Code for Markdown
9 ---
10 # Markdown and VS Code
11
12 Working with Markdown files in Visual Studio Code is simple, straightforward, and fun. Besides VS Code's basic editing, there are a number of Markdown specific features
13 that will help you be more productive.
14
15 ## Markdown Extensions
16
17 In addition to the functionality VS Code provides out of the box, you can install an extension for greater functionality.
18
19 <div class="marketplace-extensions-markdown-curated"></div>
20
21 > Tip: Click on an extension tile above to read the description and reviews to decide which extension is best for you. See more in the [Marketplace]
22 (https://marketplace.visualstudio.com).
23
24 ## Markdown Preview
25
26 VS Code supports Markdown files out of the box. You just start writing Markdown text, save the file with the .md extension and then you can toggle the visualization of
27 the editor between the code and the preview of the Markdown file; obviously, you can also open an existing Markdown file and start working with it. To switch between
28 views, press 'kb(markdown.showPreview)' in the editor. You can view the preview side-by-side ('kb(markdown.showPreviewToSide)') with the file you are editing and see
29 changes reflected in real-time as you edit.
30
31 Here is an example with a very simple file.
32
33 ! [Markdown Preview] (images/Markdown/preview.png)
34
35 ---
```

Productivity / Focus

Next Problem in Files

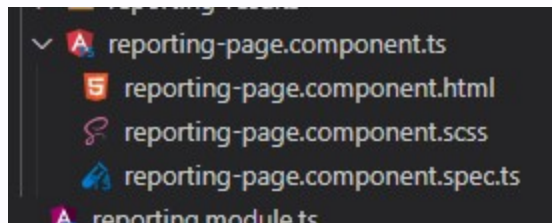
`<kbd>F8</kbd>`

https://code.visualstudio.com/Docs/editor/editingevolved#_errors-warnings

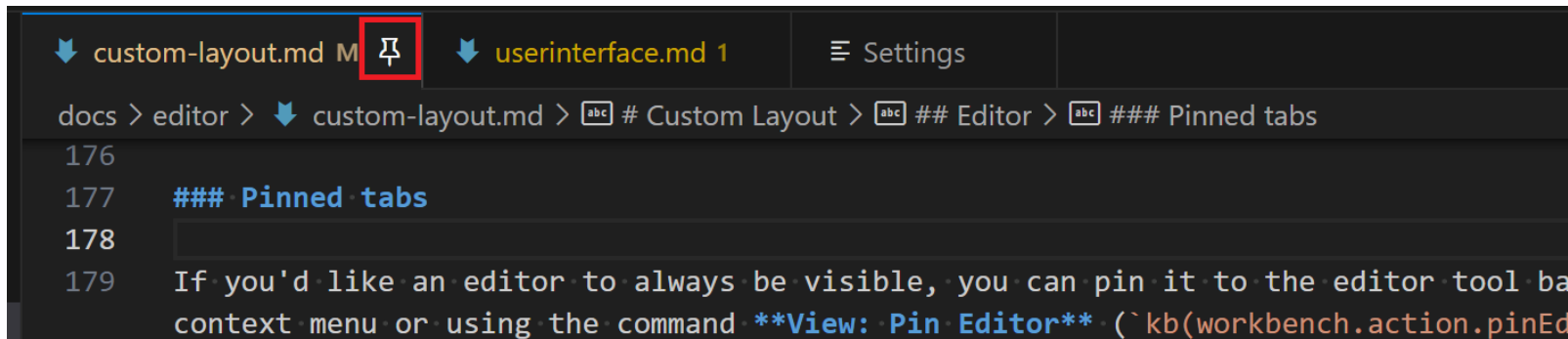
File Nesting

Nest related files under a parent file in the explorer.

```
"explorer.fileNesting.patterns": {  
  "*.component.ts": "$(capture).component.html, $(capture).component.spec.ts, $(capture).component.scss",  
}
```



Pinned Tabs



https://code.visualstudio.com/docs/editor/custom-layout#_pinned-tabs

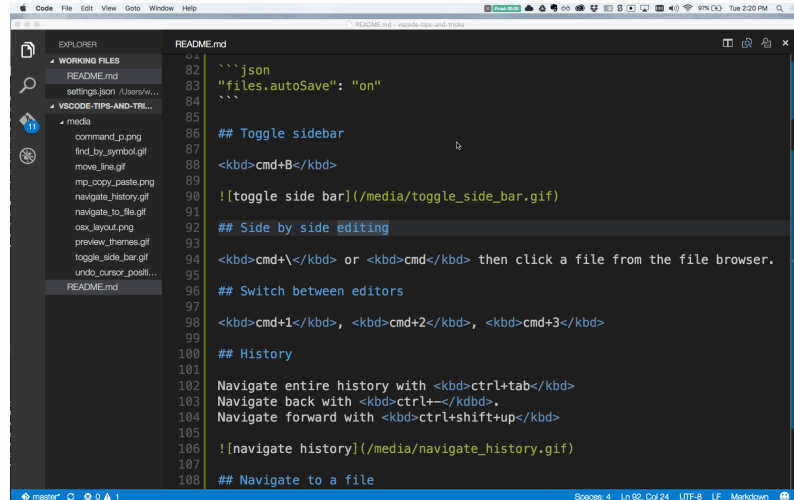
Vertical Rulers

Make sure your code isn't getting too long and hard to read.

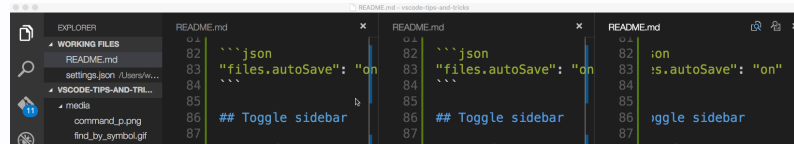
```
JS gulpfile.js > gulp.task('build-dist') callback
20  /
21  gulp.task('build-dist', done => {
22    if (!$.which('git')) {
23      $.echo('This command requires git')
24      $.exit(1)
25      done()
26    }
27
28    // Go to _build
29    if (!$.test('-e', '_build')) {
30      $.mkdir('_build')
31    }
32    $.cd('_build')
```


Grouping

Ctrl+\



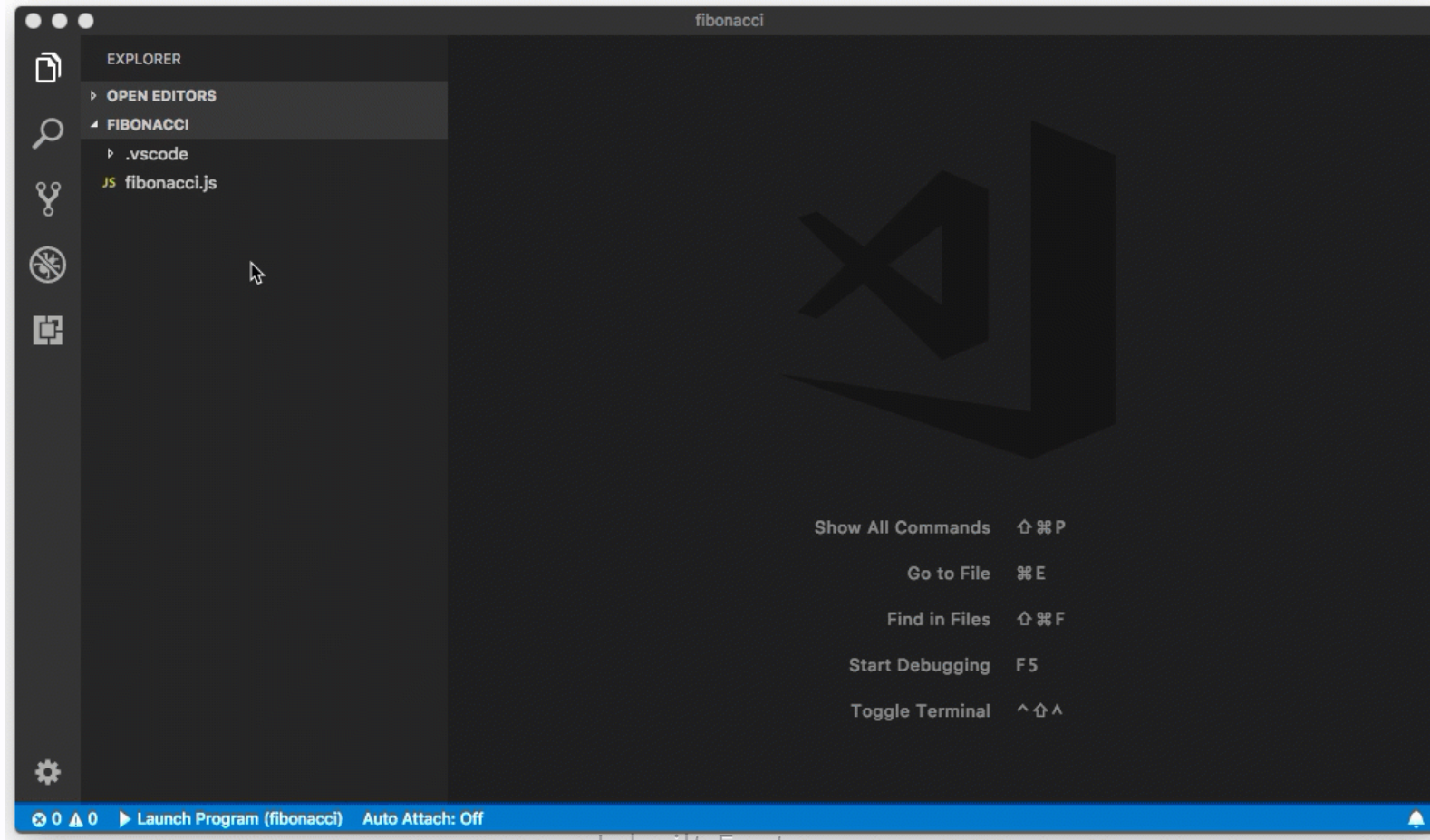
Ctrl+1, Ctrl+2



Ctrl+P and View: Move Editor to Next Group

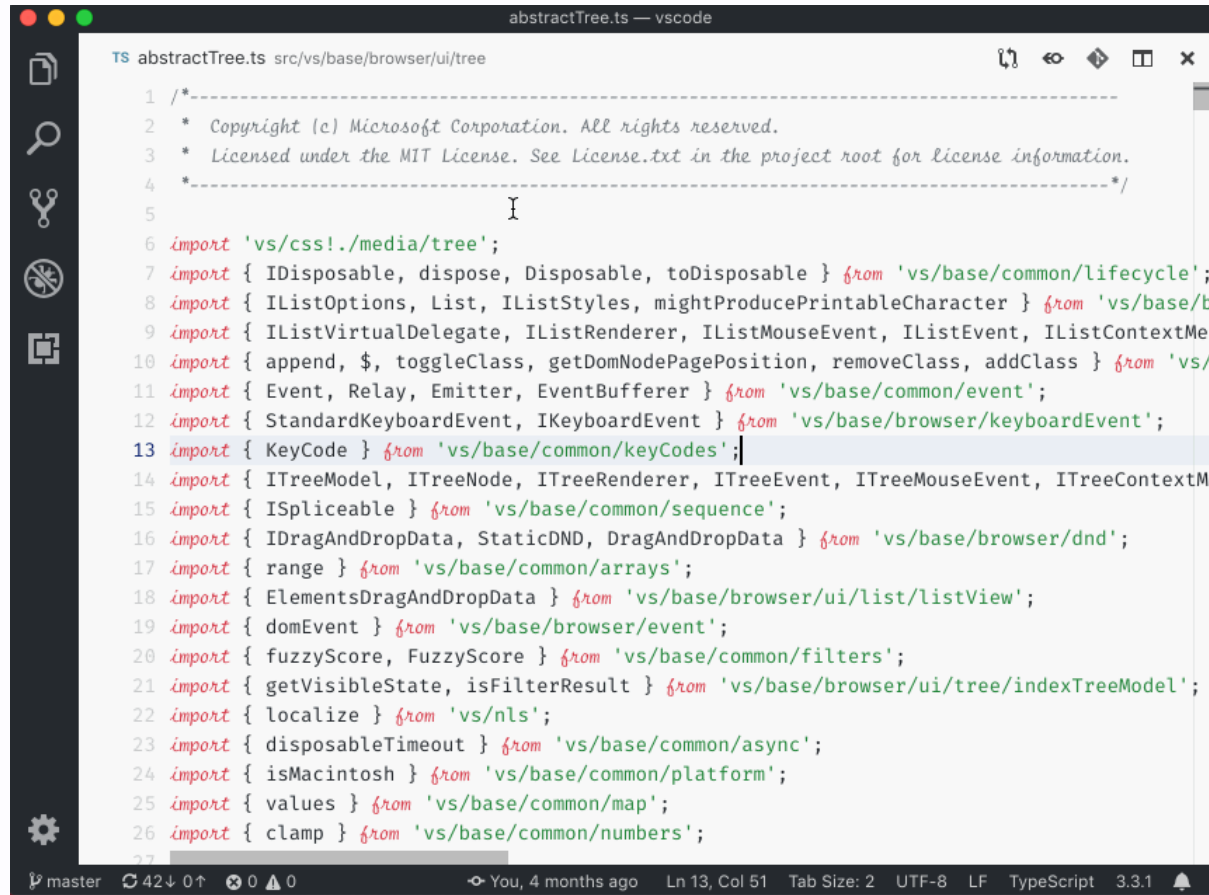
LogPoints

Non-breaking **log points** to show logging



Inbuilt Features

Screencast Mode



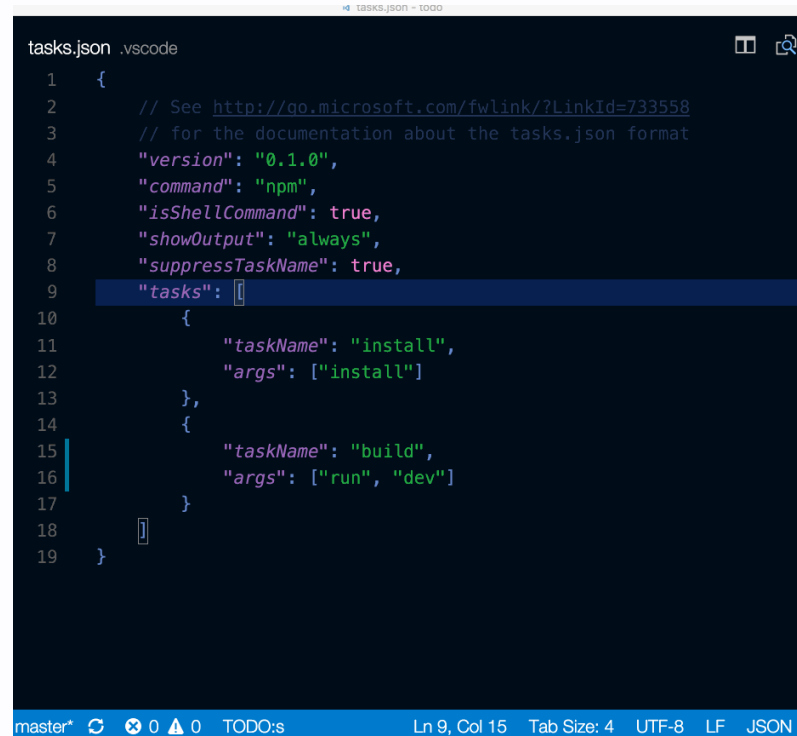
```
abstractTree.ts — vscode
TS abstractTree.ts src/vs/base/browser/ui/tree
1  /*-----
2   * Copyright (c) Microsoft Corporation. All rights reserved.
3   * Licensed under the MIT License. See License.txt in the project root for license information.
4   *-----*/
5
6  import 'vs/css!./media/tree';
7  import { IDisposable, dispose, Disposable, toDisposable } from 'vs/base/common/lifecycle';
8  import { IListOptions, List, IListStyles, mightProducePrintableCharacter } from 'vs/base/t
9  import { IListVirtualDelegate, IListRenderer, IListMouseEvent, IListEvent, IListContextMe
10 import { append, $, toggleClass, getDomNodePagePosition, removeClass, addClass } from 'vs/
11 import { Event, Relay, Emitter, EventBufferer } from 'vs/base/common/event';
12 import { StandardKeyboardEvent, IKeyboardEvent } from 'vs/base/browser/keyboardEvent';
13 import { KeyCode } from 'vs/base/common/keyCodes';
14 import { ITreeModel, ITreeNode, ITreeRenderer, ITreeEvent, ITreeMouseEvent, ITreeContextM
15 import { ISpliceable } from 'vs/base/common/sequence';
16 import { IDragAndDropData, StaticDND, DragAndDropData } from 'vs/base/browser/dnd';
17 import { range } from 'vs/base/common/arrays';
18 import { ElementsDragAndDropData } from 'vs/base/browser/ui/list/listView';
19 import { domEvent } from 'vs/base/browser/event';
20 import { fuzzyScore, FuzzyScore } from 'vs/base/common/filters';
21 import { getVisibleState, isFilterResult } from 'vs/base/browser/ui/tree/indexTreeModel';
22 import { localize } from 'vs/nls';
23 import { disposableTimeout } from 'vs/base/common/async';
24 import { isMacintosh } from 'vs/base/common/platform';
25 import { values } from 'vs/base/common/map';
26 import { clamp } from 'vs/base/common/numbers';
27
```

Terminal

Run commands from the terminal without leaving VS Code.

Task Runners

Run tasks like build, test and other custom tasks in
Task Runners.



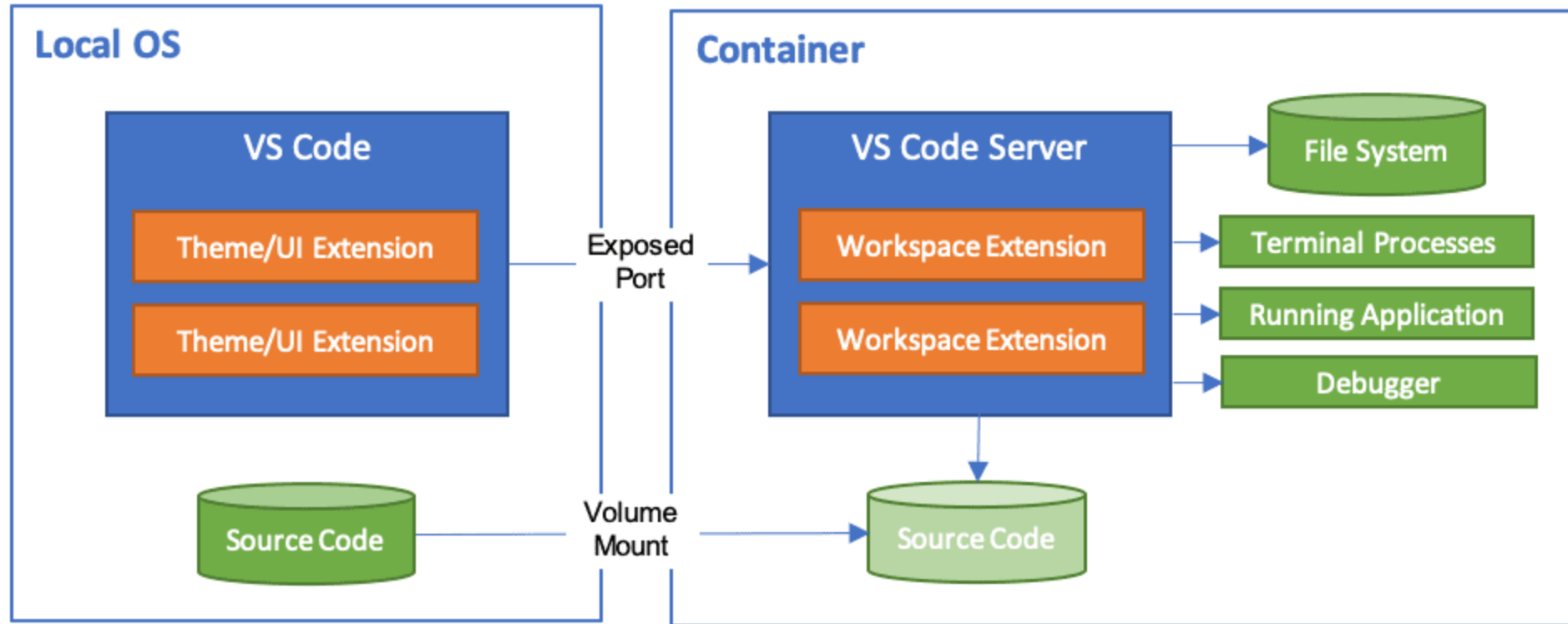
```
tasks.json .vscode
1  {
2    // See http://go.microsoft.com/fwlink/?LinkId=733558
3    // for the documentation about the tasks.json format
4    "version": "0.1.0",
5    "command": "npm",
6    "isShellCommand": true,
7    "showOutput": "always",
8    "suppressTaskName": true,
9    "tasks": [
10     {
11       "taskName": "install",
12       "args": ["install"]
13     },
14     {
15       "taskName": "build",
16       "args": ["run", "dev"]
17     }
18   ]
19 }
```

master* 0 0 TODO:s Ln 9, Col 15 Tab Size: 4 UTF-8 LF JSON

Developer Containers

A devcontainer.json file in your project tells VS Code how to access (or create) a development container with a well-defined tool and runtime stack.

<https://code.visualstudio.com/docs/devcontainers/containers>



Extensions

ctrl+shift+x

@recommended

Most Popular

[https://marketplace.visualstudio.com/search?
target=VSCode&category=All
categories&sortBy=Installs](https://marketplace.visualstudio.com/search?target=VSCode&category=Allcategories&sortBy=Installs)


@popular

Marp

This slide deck written in Markdown within VSCode. I used the Marp extension to export to PowerPoint.

<https://marp.app/>

Side note, Marp has a CLI - so this slide has a CICD pipeline 😊




Jupyter

Microsoft
microsoft.com

Jupyter notebook support, interactive programming and computing that supports...

★★★★★
FREE




Extension Pack for Java

Microsoft
microsoft.com

Popular extensions for Java development that provides Java IntelliSense, debugging...

★★★★★
FREE




C/C++ Extension Pack

Microsoft
microsoft.com

Popular extensions for C++ development in Visual Studio Code.

★★★★★
FREE




Python Extension Pack

Don Jayamanne
microsoft.com

Popular Visual Studio Code extensions for Python

★★★★★
FREE




Remote Development

Microsoft
microsoft.com

An extension pack that lets you open any folder in a container, on a remote...

★★★★★
FREE




PHP Extension Pack

Xdebug
xdebug.org

Everything you need for PHP development

★★★★★
FREE




Live Sass Compiler

Ritwick Dey

Compile Sass or Scss to CSS at realtime with live browser reload.

★★★★★
FREE




json

ZainChen

Json for Visual Studio Code

★★★★★
FREE




Auto Complete Tag

Jun Han

Extension Packs to add close tag and rename paired tag automatically for HTML/XML

★★★★★
FREE




Spring Boot Extension

VMware
vmware.com

A collection of extensions for developing Spring Boot applications

★★★★★
FREE




Git Extension Pack

Don Jayamanne

Popular Visual Studio Code extensions for Git

★★★★★
FREE




Live Sass Compiler

Glenn Marks

Compile Sass or Scss to CSS at realtime.

★★★★★
FREE




Salesforce Extension Pack

Salesforce
salesforce.com

Extensions for developing on the Salesforce Platform

★★★★★
FREE




Angular Essentials (Version 12)

John Papa
johnpapa.net

Essential extensions for Angular developers

★★★★★
FREE




Unity Tools

Avin Zarlez

Various tools to help with Unity development

★★★★★
FREE




Azure Tools

Microsoft
microsoft.com

Get web site hosting, SQL and MongoDB data, Docker

★★★★★
FREE




Node.js Extension Pack

Wade Anderson

Popular VS Code extensions for Node.js development.

★★★★★
FREE



Python Path

Mathias Gesbert

Python imports utils.

★★★★★
FREE

Extension Packs

Extension Packs

Extensions

40

C# Dev Kit

C# Dev Kit

Name: C# Dev Kit

Id: ms-dotnettools.csdevkit

Description: Official C# extension from Microsoft

Version: 1.0.14

Publisher: Microsoft

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=ms-dotnettools.csdevkit](https://marketplace.visualstudio.com/items?itemName=ms-dotnettools.csdevkit)

IntelliCode

Name: IntelliCode

Id: VisualStudioExptTeam.vscodeintellicode

Description: AI-assisted development

Version: 1.2.30

Publisher: Microsoft

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=VisualStudioExptTeam.vscodeintellicode](https://marketplace.visualstudio.com/items?itemName=VisualStudioExptTeam.vscodeintellicode)

ritwickdey.LiveServer

Description:

Launch a development local Server with live reload feature for static & dynamic pages

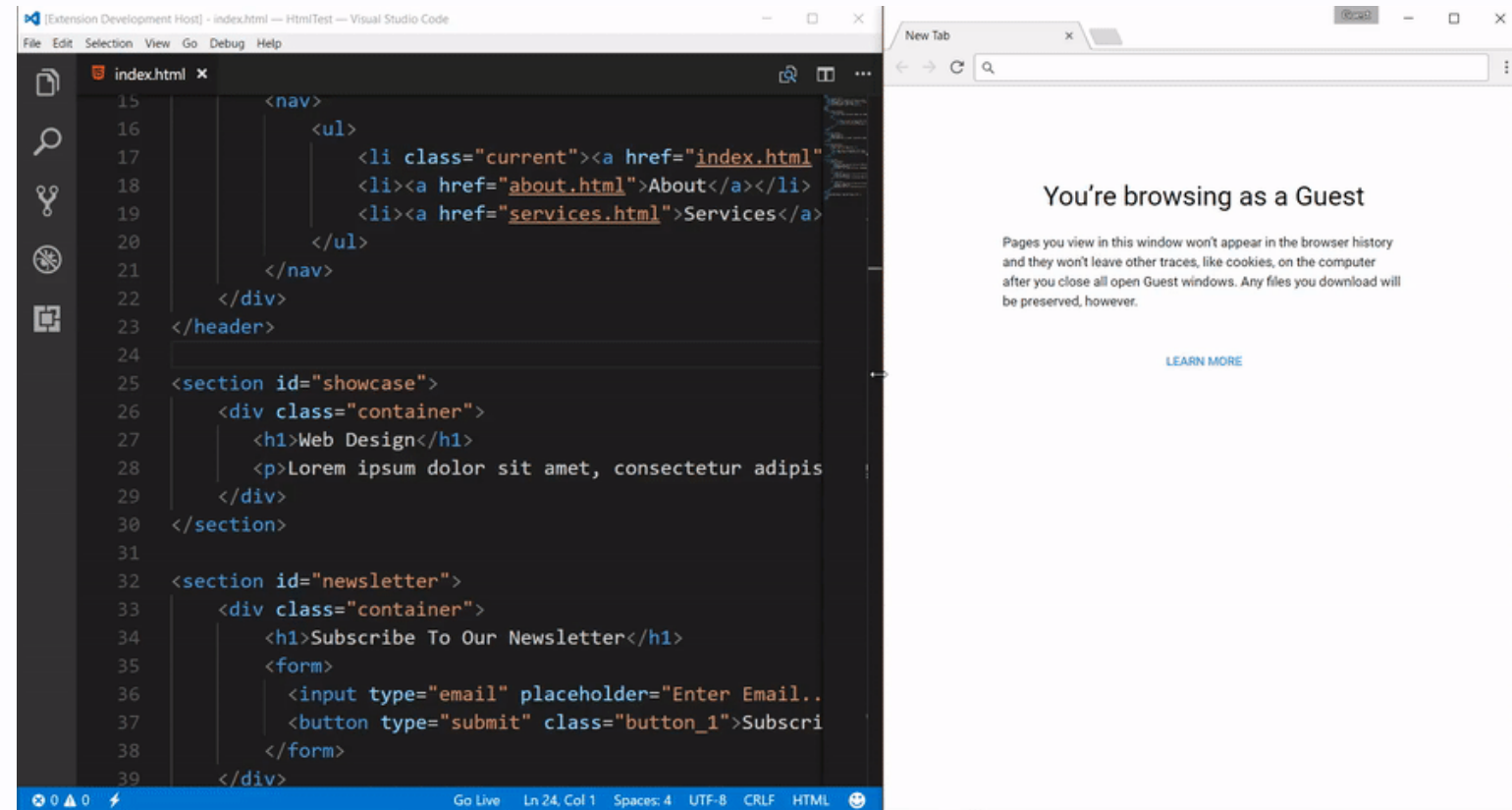
Version: 5.7.9

Publisher:

Ritwick Dey

Extensions

VS Marketplace



CoPilot

Name: GitHub Copilot

Id: GitHub.copilot

Description: Your AI pair programmer

Version: 1.138.0

Publisher: GitHub

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=GitHub.copilot](https://marketplace.visualstudio.com/items?itemName=GitHub.copilot)

Atlassian

Name: Jira and Bitbucket (Atlassian Labs)

Id: atlassian.atlascode

Description: Bringing the power of Jira and Bitbucket to VS Code - With Atlassian for VS Code you can create and view issues, start work on issues, create pull requests, do code reviews, start builds, get build statuses and more!

Version: 3.0.8

Publisher: Atlassian

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?](https://marketplace.visualstudio.com/items?itemName=Atlassian.atlascode)

[itemName=Atlassian.atlascode](https://marketplace.visualstudio.com/items?itemName=Atlassian.atlascode)

Azure

Name: Azure Tools

Id: ms-vscode.vscode-node-azure-pack

Description: Get web site hosting, SQL and MongoDB data, Docker Containers, Serverless Functions and more, all on Azure, all from VS Code, in this one extension from Microsoft.

Version: 1.2.0

Publisher: Microsoft

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=ms-vscode.vscode-node-azure-pack](https://marketplace.visualstudio.com/items?itemName=ms-vscode.vscode-node-azure-pack)

Extensions

AWS

Name: AWS Toolkit

Id: amazonwebservices.aws-toolkit-vscode

Description: Including CodeWhisperer, CodeCatalyst, and support for Lambda, S3, CloudWatch Logs, and many other services

Version: 1.100.0

Publisher: Amazon Web Services

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=AmazonWebServices.aws-toolkit-vscode](https://marketplace.visualstudio.com/items?itemName=AmazonWebServices.aws-toolkit-vscode)

Docker

Name: Docker

Id: ms-azuretools.vscode-docker

Description: Makes it easy to create, manage, and debug containerized applications.

Version: 1.28.0

Publisher: Microsoft

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=ms-azuretools.vscode-docker](https://marketplace.visualstudio.com/items?itemName=ms-azuretools.vscode-docker)

Error Lens

Name: Error Lens

Id: usernamehw.errorlens

Description: Improve highlighting of errors, warnings and other language diagnostics.

Version: 3.15.0

Publisher: Alexander

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=usernamehw.errorlens](https://marketplace.visualstudio.com/items?itemName=usernamehw.errorlens)

Polacode

Name: Polacode

Id: pnp.polacode

Description:  Polaroid for your code

Version: 0.3.4

Publisher: P & P

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=pnp.polacode](https://marketplace.visualstudio.com/items?itemName=pnp.polacode)

Polygot Notebooks

Name: Polyglot Notebooks

Id: ms-dotnettools.dotnet-interactive-vscode

Description: Polyglot Notebooks for VS Code. Use multiple languages in one notebook with full language server support for each language and share variables between them.

Version: 1.0.4562010

Publisher: Microsoft

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?](https://marketplace.visualstudio.com/items?itemName=ms-dotnettools.dotnet-interactive-vscode)

[itemName=ms-dotnettools.dotnet-interactive-vscode](https://marketplace.visualstudio.com/items?itemName=ms-dotnettools.dotnet-interactive-vscode)

Extensions

Name: RapidAPI Client

Id: RapidAPI.vscode-rapidapi-client

Description: RapidAPI Client is a full-featured HTTP client that lets you test and describes the APIs you build or consume. Designed to work with your VS Code themes, RapidAPI Client makes composing requests, inspecting responses, generating code, and types for application development simple and intuitive.

Version: 1.10.2

Publisher: RapidAPI

VS Marketplace Link:

<https://marketplace.visualstudio.com/items?>

Rest Client

Name: REST Client

Id: humao.rest-client

Description: REST Client for Visual Studio Code

Version: 0.25.1

Publisher: Huachao Mao

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=humao.rest-client](https://marketplace.visualstudio.com/items?itemName=humao.rest-client)

Todo Tree

Name: Todo Tree

Id: Gruntfuggly.todo-tree

Description: Show TODO, FIXME, etc. comment tags
in a tree view

Version: 0.0.226

Publisher: Gruntfuggly

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=Gruntfuggly.todo-tree](https://marketplace.visualstudio.com/items?itemName=Gruntfuggly.todo-tree)

Unique Lines

Name: Unique Lines

Id: bibhasdn.unique-lines

Description: Keep unique lines of text and remove duplicates from current selection. Also includes a command to shuffle currently selected lines.

Version: 1.0.0

Publisher: bibhasdn

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=bibhasdn.unique-lines](https://marketplace.visualstudio.com/items?itemName=bibhasdn.unique-lines)

Decode

Name: Encode Decode

Id: mitchdenny.ecdc

Description: An extension for Visual Studio Code that allows you to quickly convert text selections.

Version: 1.8.0

Publisher: Mitch Denny

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=mitchdenny.ecdc](https://marketplace.visualstudio.com/items?itemName=mitchdenny.ecdc)

Bookmark

Name: Bookmarks

Id: alefragnani.Bookmarks

Description: Mark lines and jump to them

Version: 13.4.2

Publisher: Alessandro Fragnani

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=alefragnani.Bookmarks](https://marketplace.visualstudio.com/items?itemName=alefragnani.Bookmarks)

Mermaid JS

Name: Markdown Preview Mermaid Support

Id: bierner.markdown-mermaid

Description: Adds Mermaid diagram and flowchart support to VS Code's builtin markdown preview

Version: 1.20.0

Publisher: Matt Bierner

VS Marketplace Link:

[https://marketplace.visualstudio.com/items?
itemName=bierner.markdown-mermaid](https://marketplace.visualstudio.com/items?itemName=bierner.markdown-mermaid)

JSON Crack

Name: JSON Crack

Id: AykutSarac.jsoncrack-vscode

Description: Seamlessly visualize your JSON data instantly into graphs.

Version: 2.0.2

Publisher: Aykut Saraç

VS Marketplace Link:

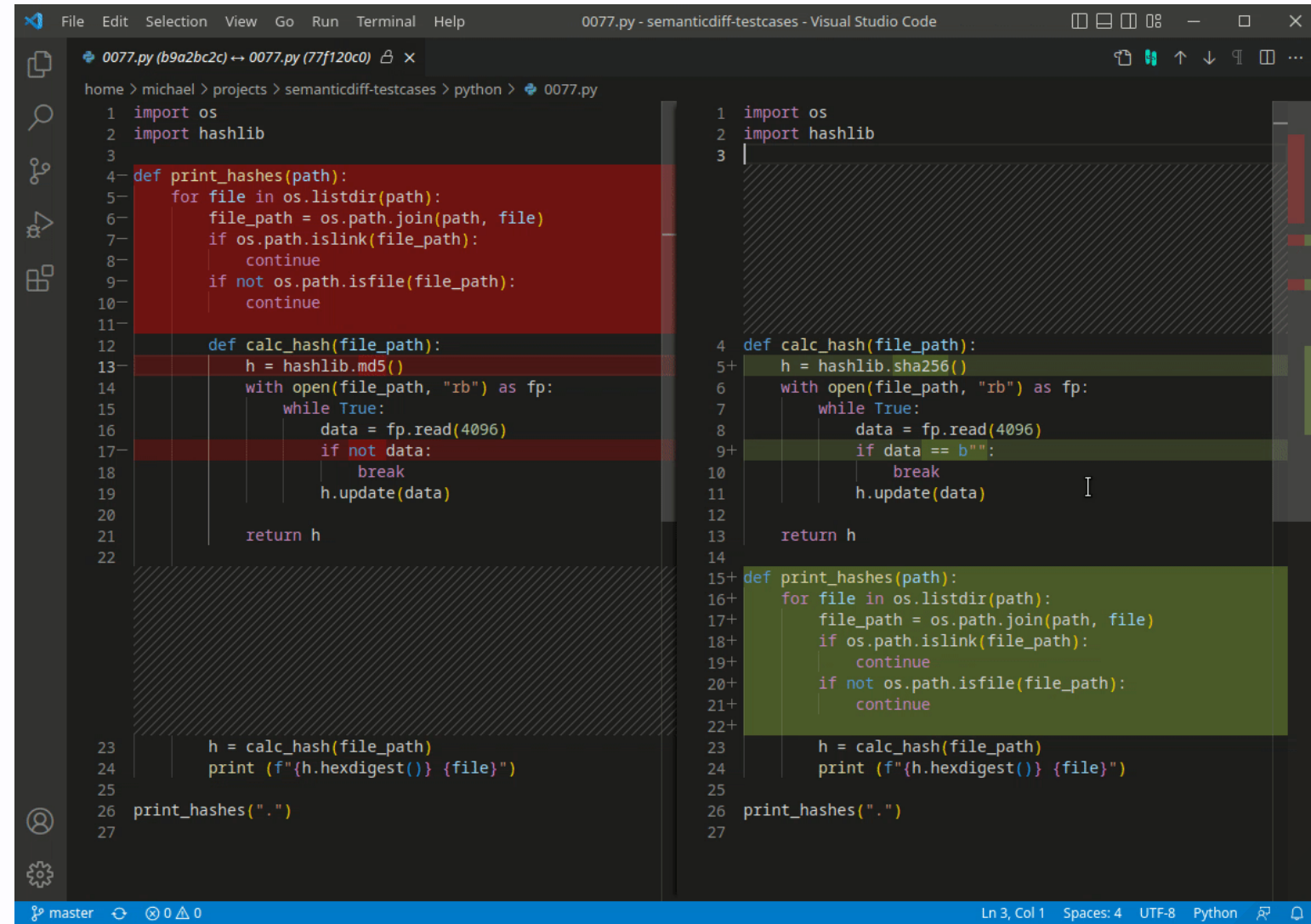
[https://marketplace.visualstudio.com/items?
itemName=AykutSarac.jsoncrack-vscode](https://marketplace.visualstudio.com/items?itemName=AykutSarac.jsoncrack-vscode)

semanticdiff.sem
anticdiff

Description:
Programming
language aware
diffs for Visual
Studio Code.
Version: 0.8.7
Publisher:
SemanticDiff
VS Marketplace

Link:

Extensions
<https://marketpl>



```
0077.py (b9a2bc2c) ↔ 0077.py (77f120c0)
home > michael > projects > semanticdiff-testcases > python > 0077.py

1 import os
2 import hashlib
3
4 def print_hashes(path):
5     for file in os.listdir(path):
6         file_path = os.path.join(path, file)
7         if os.path.islink(file_path):
8             continue
9         if not os.path.isfile(file_path):
10            continue
11
12     def calc_hash(file_path):
13         h = hashlib.md5()
14         with open(file_path, "rb") as fp:
15             while True:
16                 data = fp.read(4096)
17                 if not data:
18                     break
19                 h.update(data)
20
21     return h
22
23 h = calc_hash(file_path)
24 print (f"{h.hexdigest()} {file}")
25
26 print_hashes(".")
27
```

```
1 import os
2 import hashlib
3
4 def calc_hash(file_path):
5     h = hashlib.sha256()
6     with open(file_path, "rb") as fp:
7         while True:
8             data = fp.read(4096)
9             if data == b"":
10                 break
11             h.update(data)
12
13     return h
14
15 def print_hashes(path):
16     for file in os.listdir(path):
17         file_path = os.path.join(path, file)
18         if os.path.islink(file_path):
19             continue
20         if not os.path.isfile(file_path):
21             continue
22
23     h = calc_hash(file_path)
24     print (f"{h.hexdigest()} {file}")
25
26 print_hashes(".")
27
```

Description:
Highlight and
navigate
between your
most recently
edited chunks of
code

Version: 0.5.0

Publisher:

Wattenberger
VS Marketplace

Link:

<https://marketpl>

pets

Id:

tonybaloney.vsc

de-pets

Description: Pets
for your VS Code

Version: 1.25.1

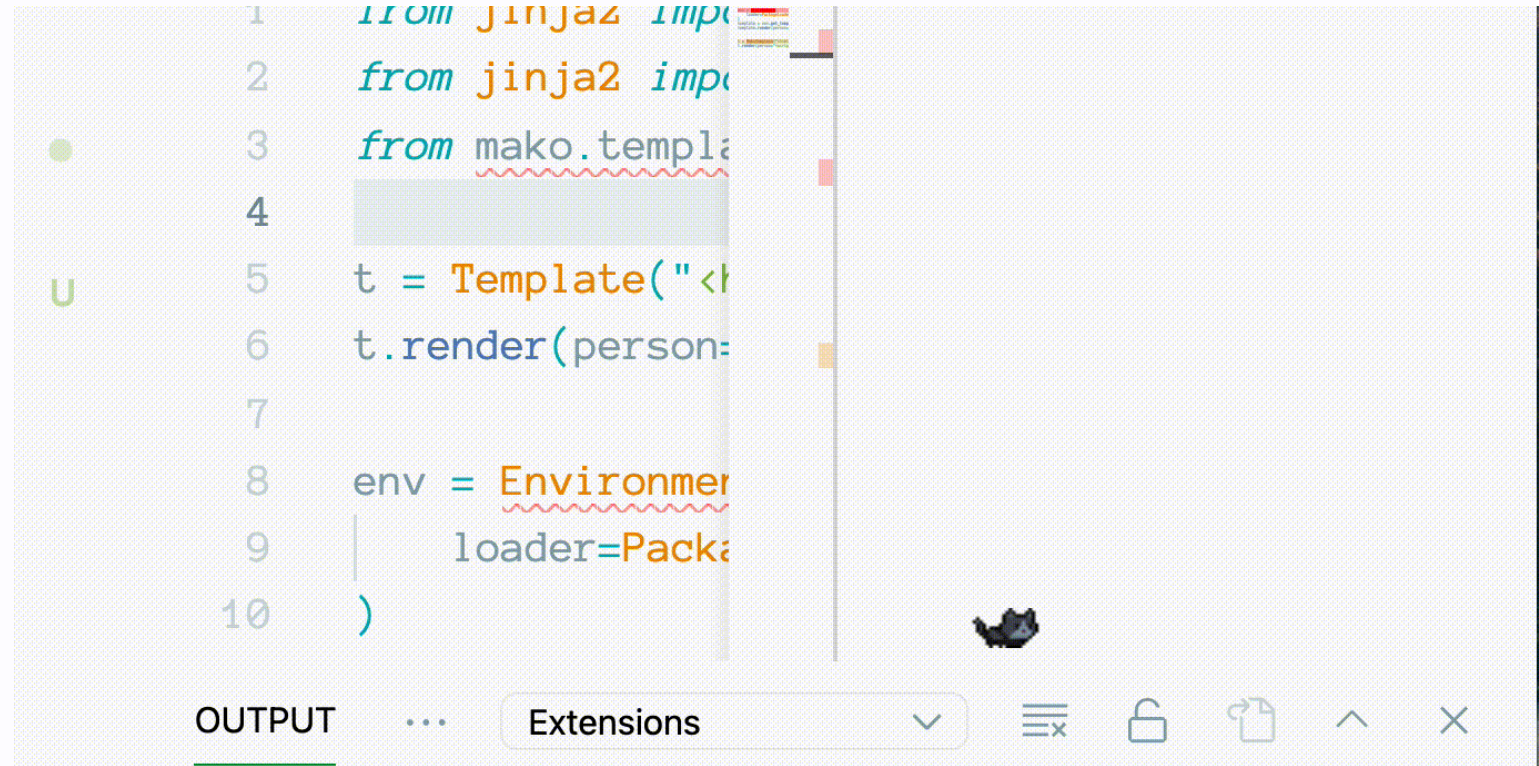
Publisher:

Anthony Shaw

VS Marketplace

Link:

[https://marketplace.visualstudio.com/items?](https://marketplace.visualstudio.com/items?itemName=tonybaloney.vsc-de-pets)



The screenshot shows a VS Code editor window with a Python file. The code is as follows:

```
1 from jinja2 import
2 from jinja2 import
3 from mako.template
4
5 t = Template("<h
6 t.render(person=
7
8 env = Environmer
9 loader=Packa
10 )
```

The editor interface includes a sidebar on the left with a file explorer, a bottom status bar with 'OUTPUT' and 'Extensions' tabs, and a bottom right area with various icons including a lock, a document, and a close button.