

# How to Open and Run a Python File in Visual Studio Code

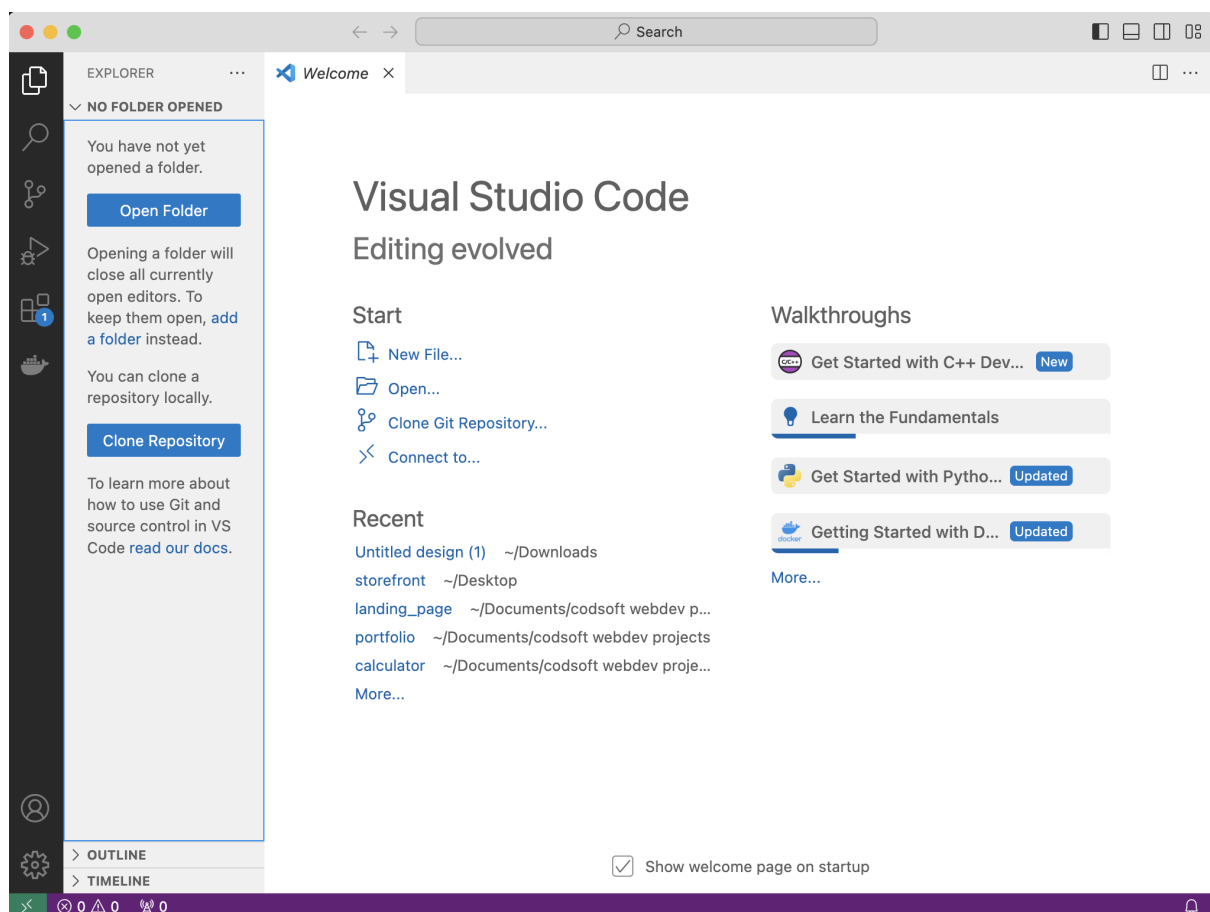
## Introduction

This guide will walk you through opening a folder, creating a Python file, writing a simple script, and running it in Visual Studio Code on macOS.

## Step-by-Step Instructions

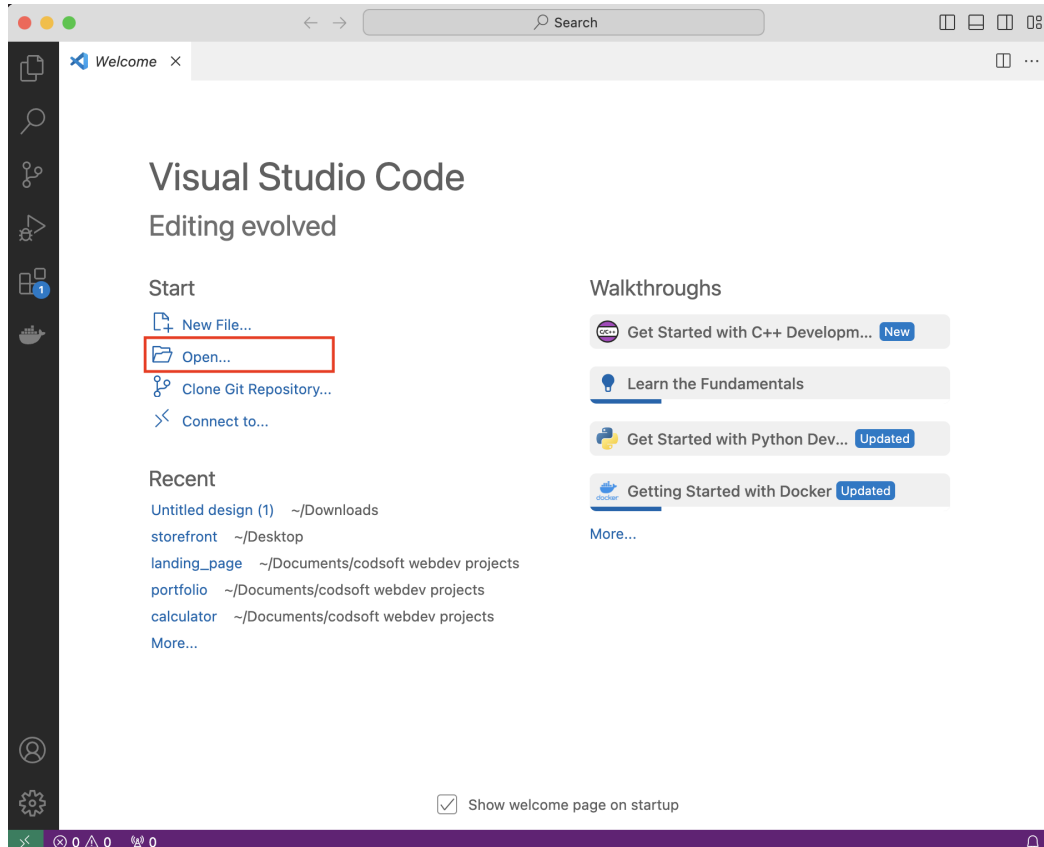
### Step 1: Open Visual Studio Code

Click on the Visual Studio icon to open the application. You'll see a welcome screen with options like **"New File"** and **"Open Folder"**.



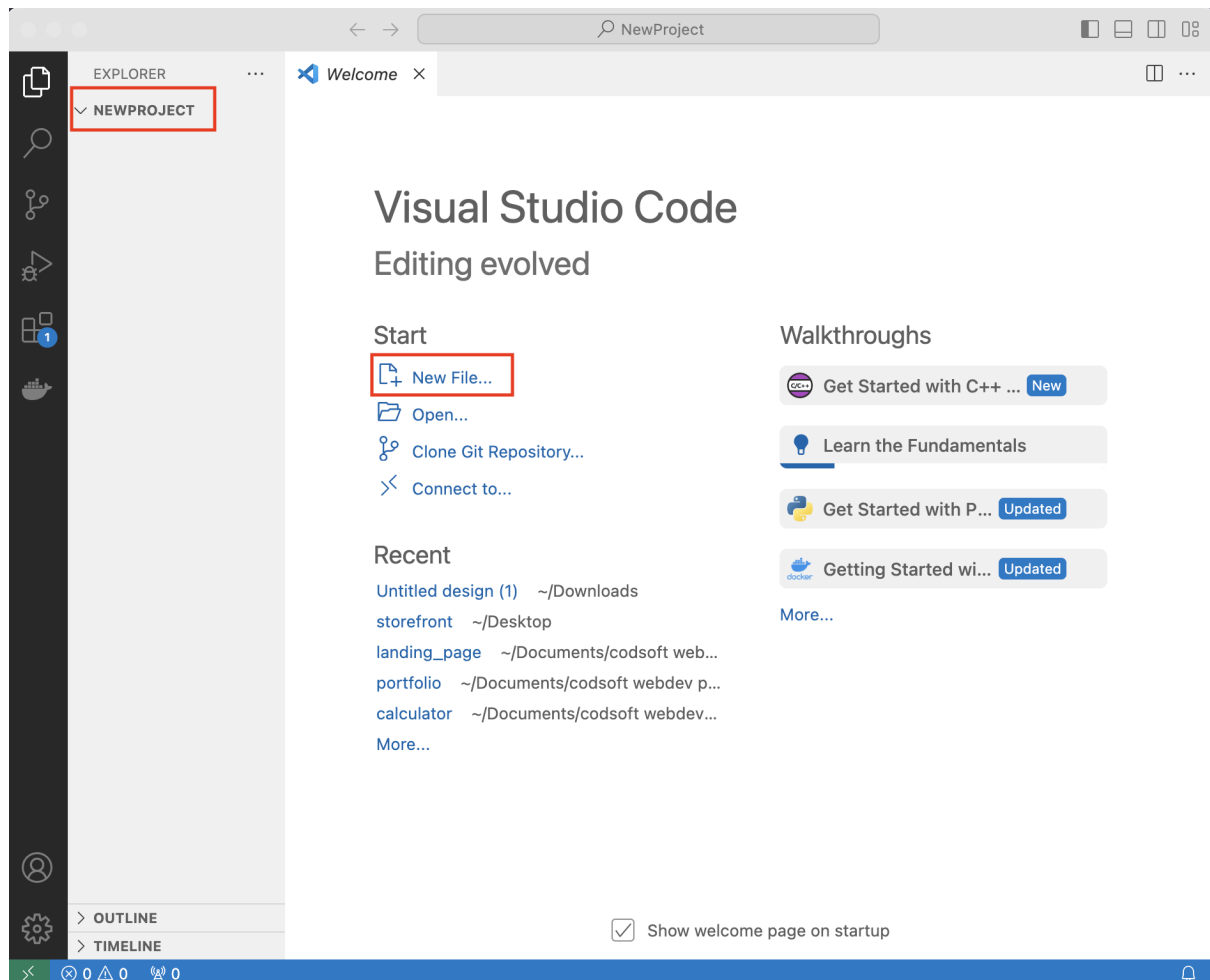
## Step 2: Open a Folder

Click on “**Open Folder**”, then choose a location on your computer. You can create a new folder called “**NewProject**” and click **Open**.

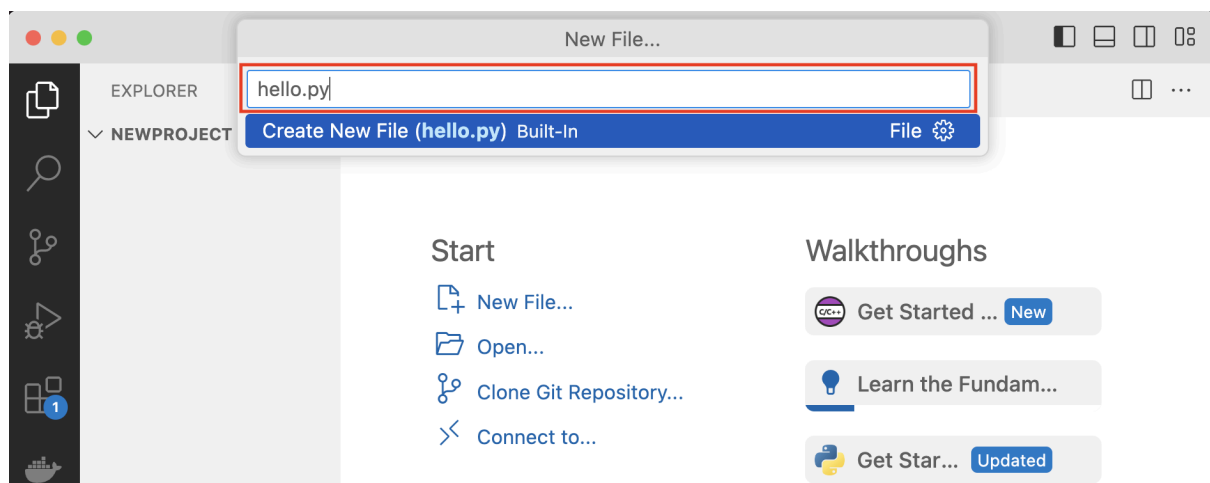


## Step 3: Create a New Python File

After you have created the folder and opened it in Visual Studio Code, you'll see the new folder name in the top left corner. Now, click on “**New File**”.



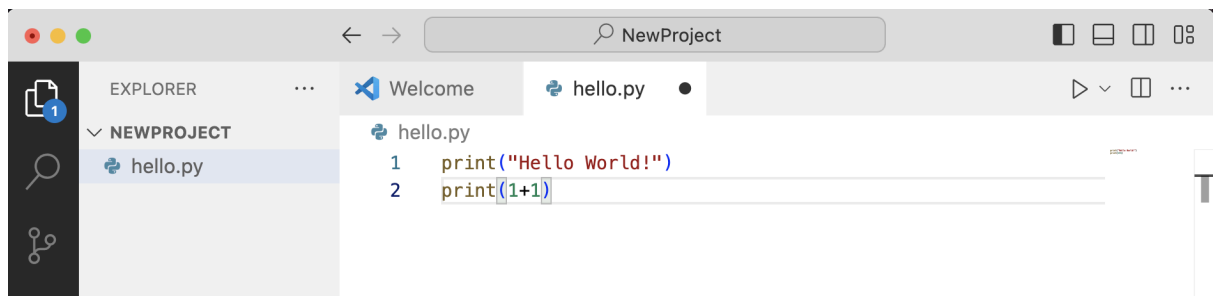
Name your file something like [hello.py](#) and press **Enter**.



## Step 4: Write a Simple Python Script

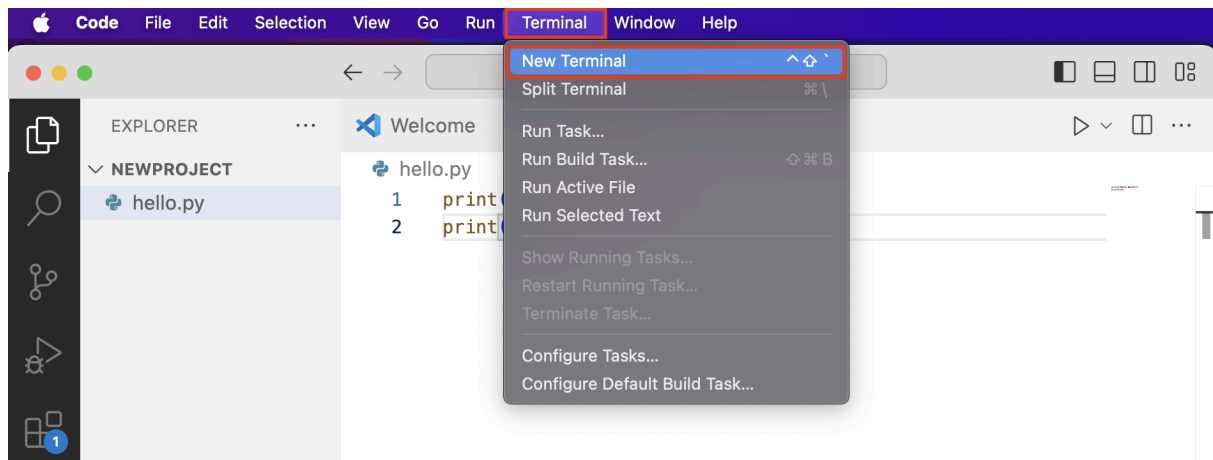
Here is a simple Python Script to begin with:

```
print("Hello World!")  
print(1+1)
```

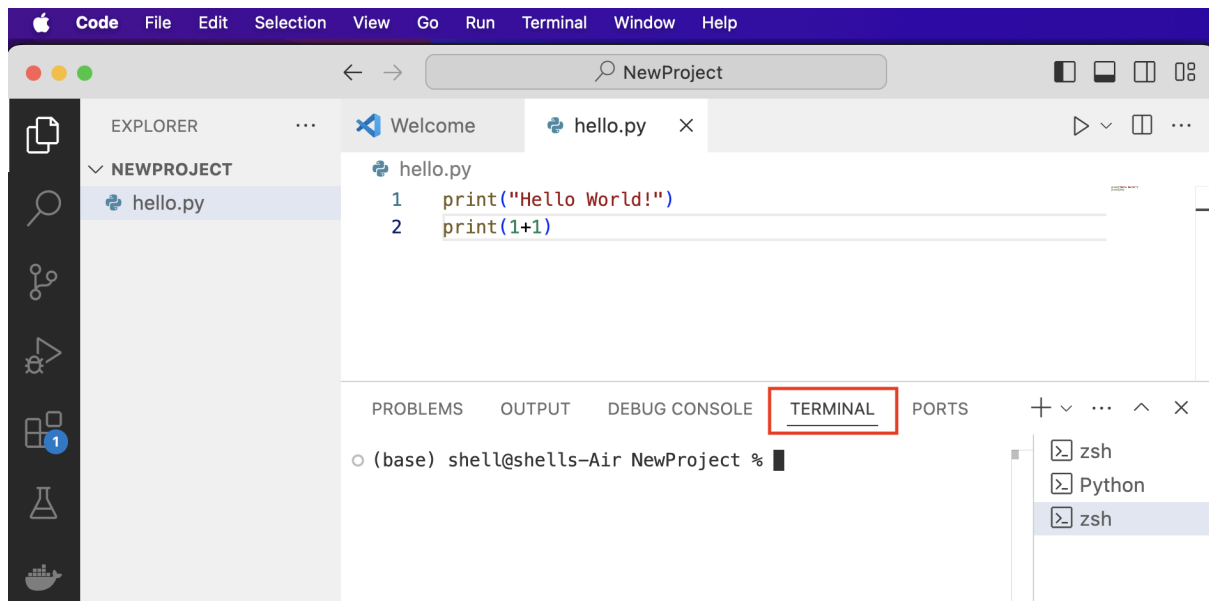


## Step 5: Open the Terminal

Go to the top menu and click **Terminal**. Select **New Terminal** from the drop-down menu.



A new terminal window will open at the bottom of the screen.



## Step 6: Run the Python File

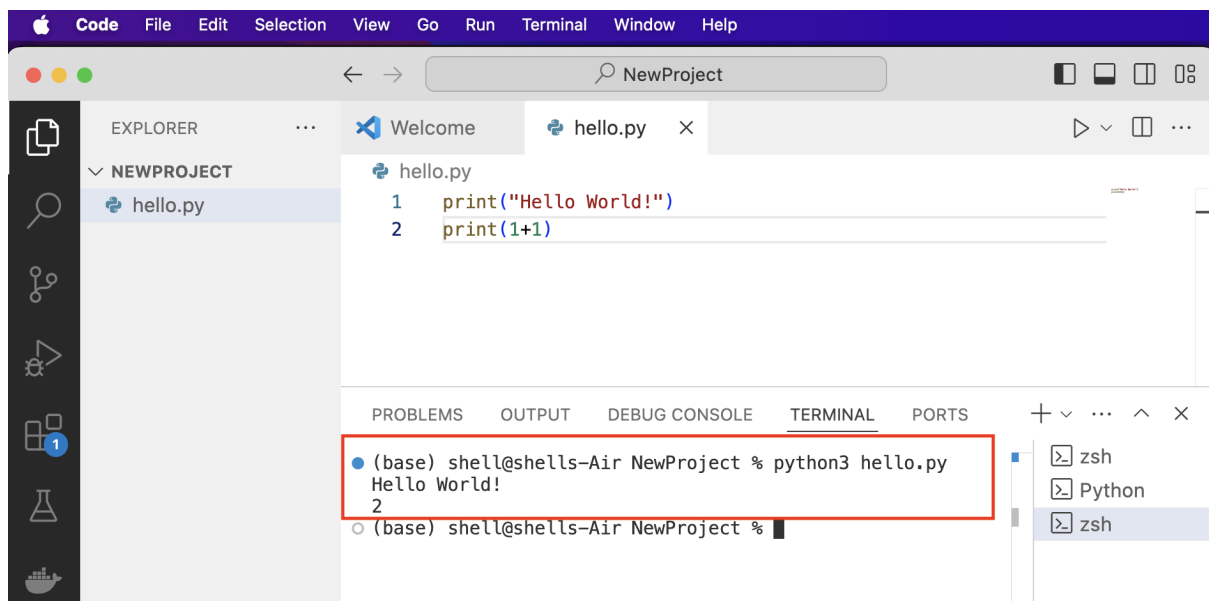
In the terminal, type:

`python3 hello.py`

Then press Enter. You should see the output:

Hello, World!

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## Helpful Tips

- Make sure **Python** is installed on your system. You can check by typing **python3 --version** in the terminal
- Install the Python extension in VS Code for features like syntax highlighting and code suggestions.

## Conclusion

You've now created and run a Python file in Visual Studio Code. You can now experiment and add more code snippets.