



**Visual Studio Code** is an integrated development environment (IDE) for writing and running code in various languages. On this page and the next, the main features we use are highlighted. If you get lost, the Explorer View (see next page) will show you open files and folders, and can close tabs or files by clicking on the 'x' (see next page). If you have questions, don't hesitate to ask!

Use File → Open... to open a single Notebook or  
File → Open Folder to open a folder

Use Code --> Preferences → Theme → Color Theme to change the color theme. The color theme I use is "Dark Modern", but pick whatever you like best!

The code below simply outputs the text "hello world!" Run the code by clicking on the code cell, and pressing Shift + Enter. You can also click the play button to the left of the code cell, which appears when you hover over the cell. To run all cells in a notebook, you can click the Run All button at the top of the page.

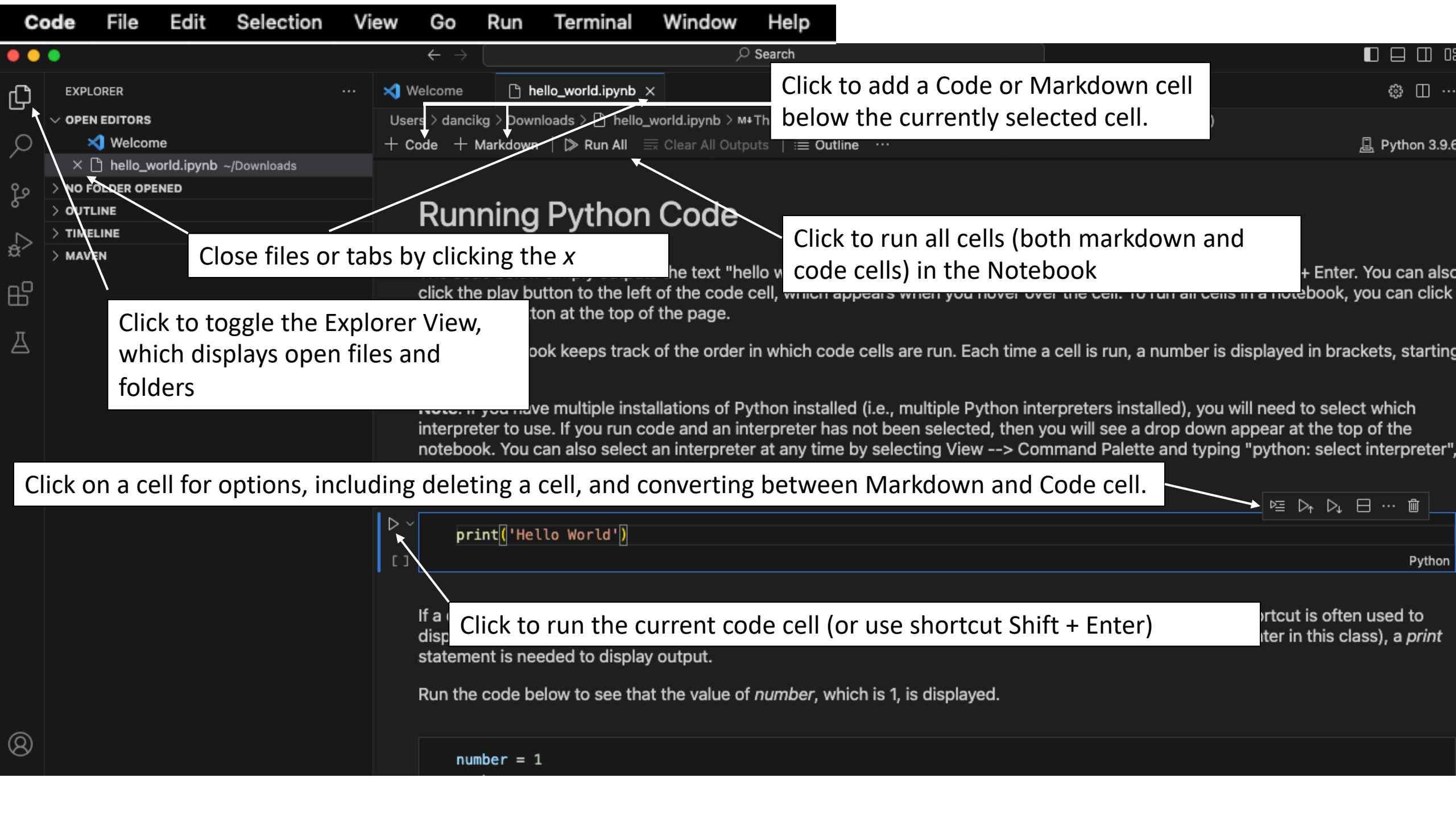
Each code cell is run. Each time a cell is run, a number is displayed in brackets, starting

**Note:** if you have multiple installations of Python installed (i.e., multiple Python interpreters installed), you will need to select which interpreter to use. If you run code and an interpreter has not been selected, then you will see a drop down appear at the top of the code cell. You can select an interpreter at any time by selecting View --> Command Palette and typing "python: select interpreter", which will open a list of available interpreters (such as Python 3.9.6).

If a code cell ends with an expression, or a variable, then the corresponding variable will be *displayed*. This shortcut is often used to display results when using Jupyter Notebooks. However, if executing a Python script (which we will do much later in this class), a *print* statement is needed to display output.

Run the code below to see that the value of *number*, which is 1, is displayed.

```
number = 1
```



Click to add a Code or Markdown cell below the currently selected cell.

Close files or tabs by clicking the x

Click to run all cells (both markdown and code cells) in the Notebook

Click to toggle the Explorer View, which displays open files and folders

Click on a cell for options, including deleting a cell, and converting between Markdown and Code cell.

Click to run the current code cell (or use shortcut Shift + Enter)

```
print('Hello World')
```

If a display is needed to display output.

Run the code below to see that the value of *number*, which is 1, is displayed.

```
number = 1
```