

VS Code setup and Hello World

Let's get set up with VS Code

- Install the Python extension for VS Code

- Create a directory called **python_intro** for our files

- Create **hello_world.py**, and type the code in snippet [1]

- Run it in the terminal with snippet [2]

- You can also run your python file with the VS Code command menu by typing **command-shift-P**, then finding the **Python: Run File in Terminal** command. It would be handy to add a keyboard shortcut for this!

[1]

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

[2]

```
cd python_intro  
python3 hello_world.py
```

Significant Whitespace in Python

```
def print_pattern(num_rows):  
    for i in range(num_rows):  
        for num_cols in range(num_rows-i):  
            print("*", end="")  
        print()
```

- To the left is an example of some Python code
- Don't worry about understanding it yet!
- Note how few braces { } there are compared to other languages
- Instead, the indentation has meaning
- The convention is to use spaces to indent
- When you press **TAB**, most editors will automatically insert the correct number of spaces (same for deleting)