

Discussion 2: Basic Python Coding Practice

SI 206: Data-Oriented Programming

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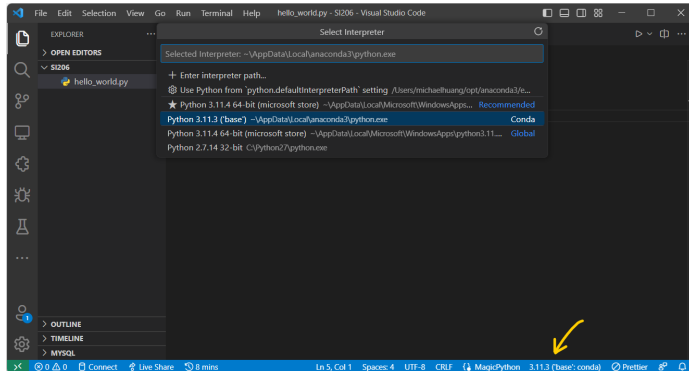
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Fall 2023

Double-check Python Environment

- 1 Open VSCode and check the bottom-right of the window. With a Python file open, you should see a Python version followed by ('base': conda)
- 2 If you don't see that, click on the version number that you see and choose the interpreter option with 'conda' in the path



Comment Out a Single Line

[Before We Begin](#)[Some VSCode Shortcuts](#)[Practice Problems](#)

```
1  # This is a simple Python program
2
3  a = 5
4  b = 7
5
6  if a > b:
7      print("a is greater than b")
8  else:
9      print("a is lesser than b")
10
```


Step 1: Move the cursor to the line you want to comment out

```
1  # This is a simple Python program
2
3  # a = 5
4  b = 7
5
6  if a > b:
7      print("a is greater than b")
8  else:
9      print("a is lesser than b")
10
```

Step 2: Hit the keyboard shortcut:
command + '/' (For Windows: **Ctrl + '/'**)

Comment Out Multiple Lines

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```
1  # This is a simple Python program
2
3  a = 5
4  b = 7
5  
6  if a > b:
7      print("a is greater than b")
8  else:
9      print("a is lesser than b")
10
```

Step 1: Select or highlight the lines you want to comment out

```
1  # This is a simple Python program
2
3  a = 5
4  b = 7
5
6  # if a > b:
7  #     print("a is greater than b")
8  # else:
9  #     print("a is lesser than b")
10
```

Step 2: Hit the keyboard shortcut:
command + '/' (For Windows: **Ctrl + '/'**)

Duplicate Selected Lines

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```
1  # This is a simple Python program
2
3  a = 5
4  b = 7
5
6  if a > b:
7      print("a is greater than b")
8  elif a < b:
9      print("a is lesser than b")
10
```

Step 1: Select or highlight the lines you want to duplicate

```
3  a = 5
4  b = 7
5
6  if a > b:
7      print("a is greater than b")
8  elif a < b:
9      print("a is lesser than b")
10 elif a < b:
11     print("a is lesser than b")
12
```

Step 2: Hit the keyboard shortcut:
Shift + Option + Down (For Windows:
Shift + Alt + Down)

More VSCode Tips and Tricks

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- You can find more tips at
<https://code.visualstudio.com/docs/getstarted/tips-and-tricks>

Python Practice Problems (4 in total)

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- For students with lectures on **Monday/Wednesday**, go to:
<https://bit.ly/206-dis2-mon-wed>
- For students with lectures on **Tuesday/Thursday**, go to:
<https://bit.ly/206-dis2-tue-thur>

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Question Time!