



Python Scripting 101

HWRS 401/501
09/06/2022

Announcements

- First forecasting assignment due today (I think everyone finished it)
- On Thursday we will set up homework repos + I will give the first cheat-sheet assignment (due next Thursday)

Python Scripting 101

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~~WHY DID IT HAVE TO BE SNAKES?~~

Some quick refreshers

```
x = 5
```

```
y = 3
```

```
x = 2 * x
```

```
print(x + y)
```

Some quick refreshers

```
x = 5
```

```
y = 3
```

```
x = 2 * x
```

```
print(x + y)
```

13

Some quick refreshers

`x = 5`



`x = 5`

`y = 3`

`x = 2 * x`

`print(x + y)`

Some quick refreshers

```
x = 5
```

```
y = 3
```

```
x = 2 * x
```

```
print(x + y)
```

```
x = 5
```

```
y = 3
```



Some quick refreshers

```
x = 5
```

```
y = 3
```

```
x = 2 * x
```

```
print(x + y)
```

```
x = 5
```

```
y = 3
```

```
x = 2 * 5 = 10
```



Some quick refreshers

`x = 5`

`y = 3`

`x = 2 * x`

`print(x + y)`

`x = 5`

`y = 3`

`x = 2 * 5 = 10`

`x+y = 10+3 = 13`



Some quick refreshers

```
x = 'waka'
```

```
y = 3
```

```
print(x * y)
```

Some quick refreshers

```
x = 'waka'
```

```
y = 3
```

```
'wakawakawaka'
```

```
print(x * y)
```


Some quick refreshers

```
x = 'More riddles for you'  
y = x.split(' ')  
print(type(y))
```

Some quick refreshers

```
x = 'More riddles for you'
```

```
y = x.split(' ')
```

```
print(type(y))
```

list

Some quick refreshers

```
x = {0: 'a', 1: 'b', 2: 'c'}
```

```
y = x[1]
```

```
print(y)
```

Some quick refreshers

```
x = {0: 'a', 1: 'b', 2: 'c'}
```

```
y = x[1]
```

```
print(y)
```

'b'

Some quick refreshers

```
x = {'a': 2, 'b': 1, 'c': 0}
```

```
y = x['c']
```

```
print(y)
```

Some quick refreshers

```
x = {'a': 2, 'b': 1, 'c': 0}
```

```
y = x['c']
```

```
print(y)
```

0

Some quick refreshers

```
x = 5
```

```
y = 3
```

```
# x = 2 * x
```

```
print(x + y)
```

Some quick refreshers

```
x = 5
```

```
y = 3
```

```
# x = 2 * x
```

```
print(x + y)
```

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A black and white photograph of a snake, likely a python, coiled around a dark, textured branch. The snake's head is raised, and its tongue is flicking out. The snake's scales are highly detailed and textured. The background is a soft, out-of-focus grey.

**Cool - let's jump into
python via vscode**