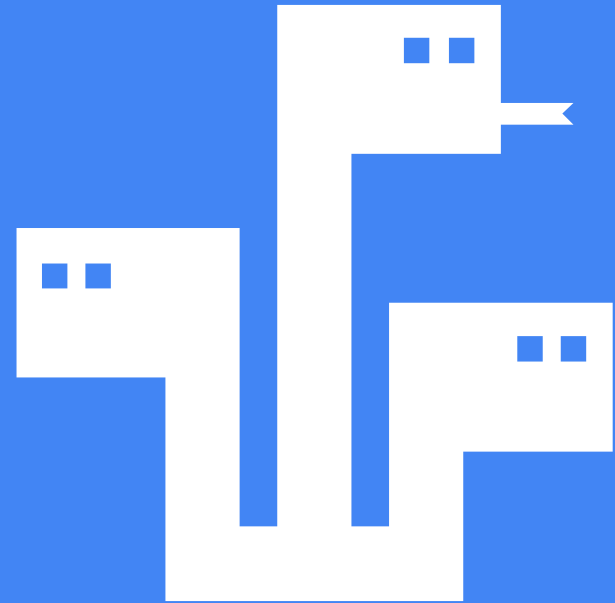


Revision

Python - Nick Reynolds
April 7, 2017



This Class

- Revision (~15 mins)
- Quiz (45 mins)
- Practical

Revision



Conditionals



and or

What's the difference?

If it is raining **and** I am going outside,
take an umbrella.

If it is raining **or** I am going outside,
take an umbrella.

If raining **and goingOutside:
takeUmbrella()**

If raining **or goingOutside:
takeUmbrella()**

If raining **and** goingOutside:

 takeUmbrella()

elif not raining **and** goingOutside():

 takeHat()

else:

 makeCoffee()

Loops



```
foods = ["Apple", 'Orange']
```

```
for _____ in foods:  
    ...
```

What goes here?



```
foods = ["Apple", 'Orange']  
  
for anything_you_want in foods:  
    ...
```

Any variable name you want

```
foods = ["Apple", 'Orange']  
count = 0
```

```
while count < len(foods):  
    print(foods[count])
```

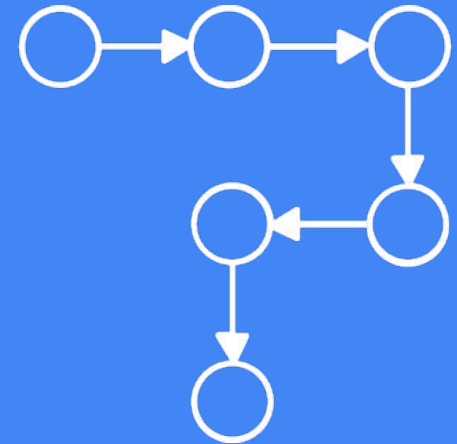
Have I forgotten anything?

```
foods = ["Apple", 'Orange']  
count = 0
```

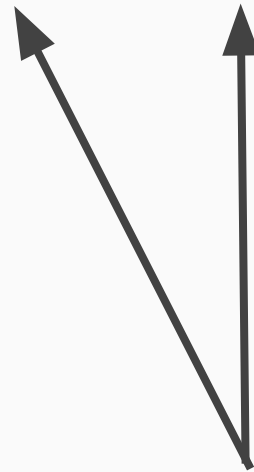
```
while count < len(foods):  
    print(foods[count])  
    count += 1
```

Need to increment count!

Functions



```
def highest(num1, num2):  
    ...
```



What are these?

```
def highest_print(num1, num2):  
    if num1 > num2:  
        print(num1)  
    else:  
        print(num2)
```

```
def highest_return(num1, num2):  
    if num1 > num2:  
        return num1  
    else:  
        return num2
```

What's the difference?



This evaluates to nothing!



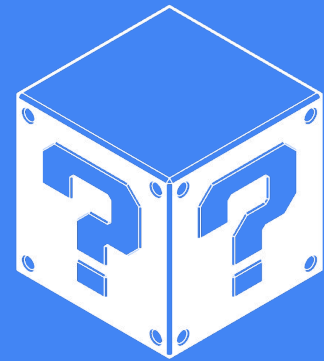
```
>>> highest_print(1, highest_print(3, 4))  
# Error!
```

```
>>> highest_return(1, highest_return(3, 4))  
# 4
```

Return decides the **result** of the function
Print just prints out to the console

Pen and Paper

Quiz (45 mins)



Practical & Assignment 1



References

- <http://pwp.stevecassidy.net/python/more-python.html>
- <https://thenounproject.com/>