



Introduction to For Loops



For loops



Like while loops, used to repeat a code block

Use to repeat a fixed number of times

One way to define that fixed number is with the range() function



etc



```
for i in range(0, 5, 1):
     print(i)
                  Initial value of i
for <iter var> in range(start, stop, step):
     statement 1
     statement 2
```



etc



```
for i in range(0, 5, 1):
     print(i)
                  Initial value of i
for <iter var> in range(start, stop, step):
     statement 1
     statement 2
```





```
for i in range(0, 5, 1):
     print(i)
                  max value of i
for <iter var> in range(start, stop, step):
     statement 1
     statement 2
     etc
```



statement 1

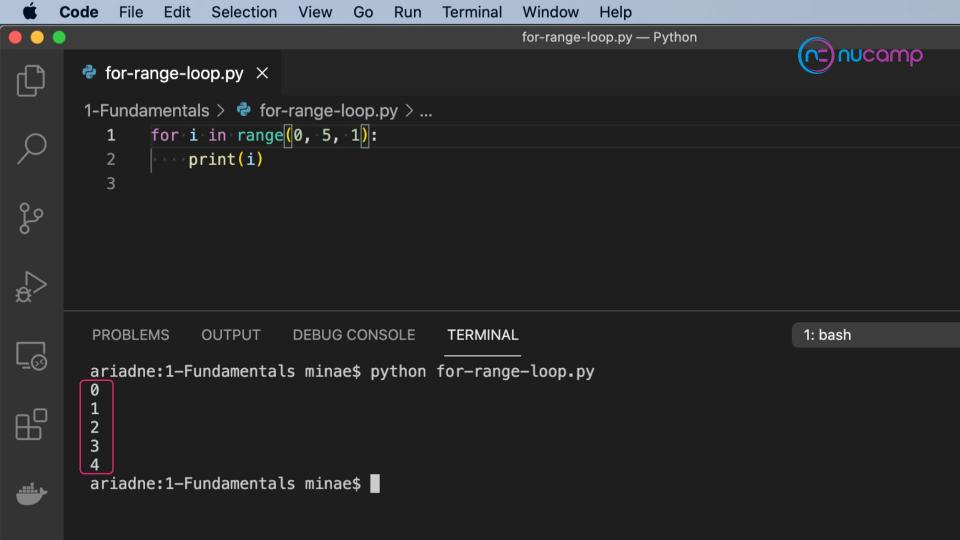
statement 2

etc



```
for i in range(0, 5, 1):
    print(i)
    increment/decrement

for <iter var> in range(start, stop, step):
```



For loops with iterable value



Similar to JavaScript for ... of loops

Provide for loop with an iterable value, e.g. list, tuple, dictionary, set, string

For loop iterates once for each item in a list, key in a dictionary, character in a string, etc, then stops at the end

