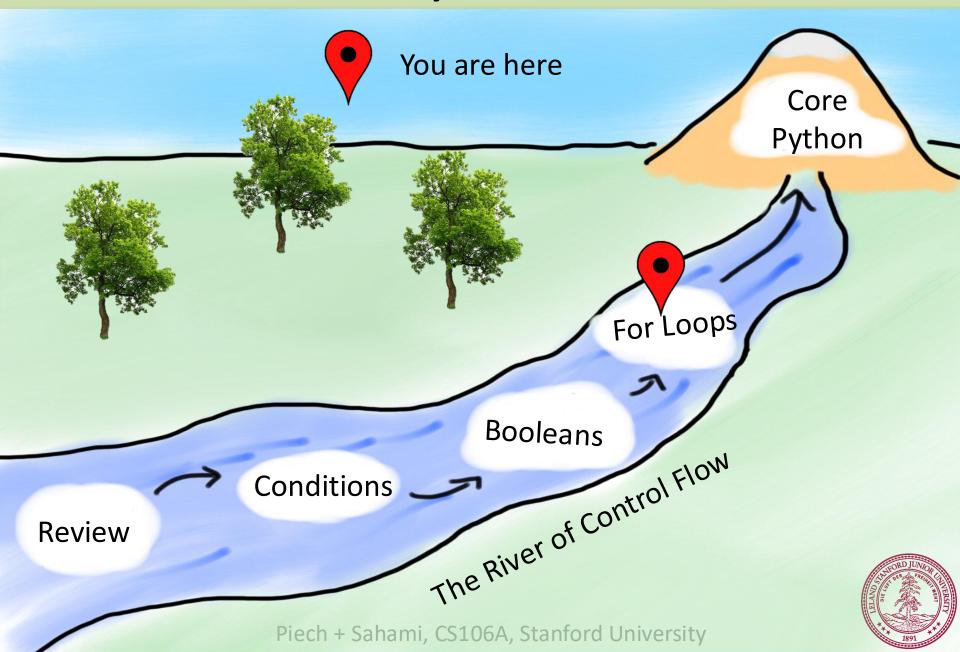


Today's Route



How would you print "Python rocks socks" 100 times

```
def main():
    for i in range(100):
        print("Python rocks socks!")
```



```
for i in range(100):
    print("Python rocks socks!")

i = 0
while i < 100:
    print("Python rocks socks!")
    i = i + 1</pre>
```



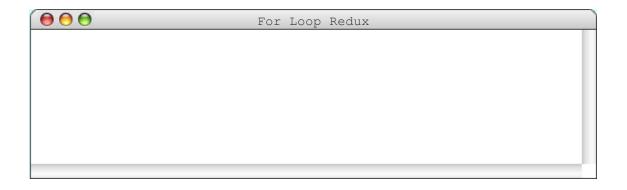
```
create a counting which takes on the values 0 to 99 one at a time for i in range(100):

print("Python rocks socks!")
```



```
range(3) -> [0, 1, 2]
```

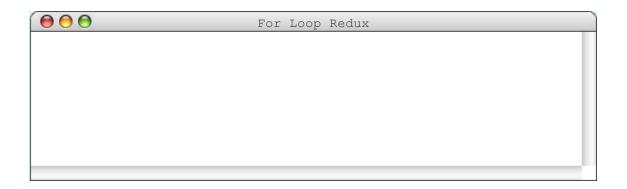
```
for i in range(3):
    print("Python rocks socks!")
```





```
range(3) -> [0, 1, 2]
```

```
for i in range(3):
    print("Python rocks socks!")
```

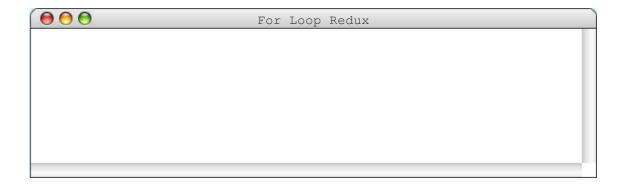






range(3) -> [0, 1, 2]

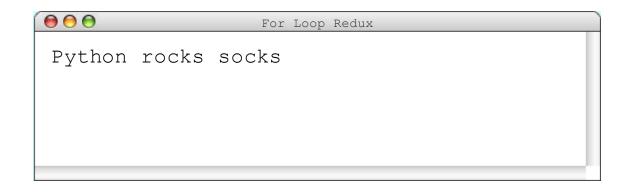
```
for i in range(3):
    print("Python rocks socks!")
```



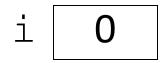


for i in range(3):

print("Python rocks socks!")

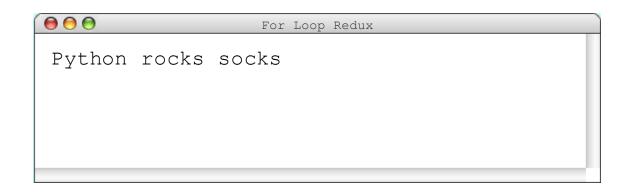






```
range(3) -> [0, 1, 2]
```

```
for i in range(3):
    print("Python rocks socks!")
```





```
i 1
```

```
range(3) -> [0, 1, 2]
```

```
for i in range(3):
    print("Python rocks socks!")
```

```
Python rocks socks
```



range(3) -> [0, 1, 2]

```
for i in range(3):
```

print("Python rocks socks!")

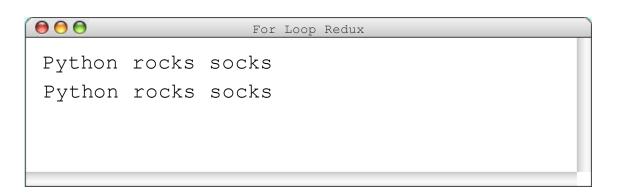
```
Python rocks socks
Python rocks socks
```



range(3) -> [0, 1, 2]

```
for i in range(3):
    print("Python rocks socks!")
```



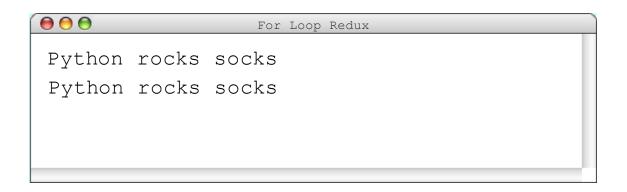




i **2**

range(3) -> [0, 1, 2]

for i in range(3):
 print("Python rocks socks!")





for i in range(3):

```
print("Python rocks socks!")
```

```
Python rocks socks
Python rocks socks
Python rocks socks
Python rocks socks
```

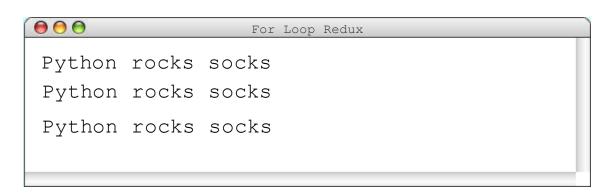


i 2

range(3) -> [0, 1, 2]

for i in range(3):
 print("Python rocks socks!")







```
i 3
```

```
range(3) -> [0, 1, 2]
```

```
for i in range(3):
    print("Python rocks socks!")
```

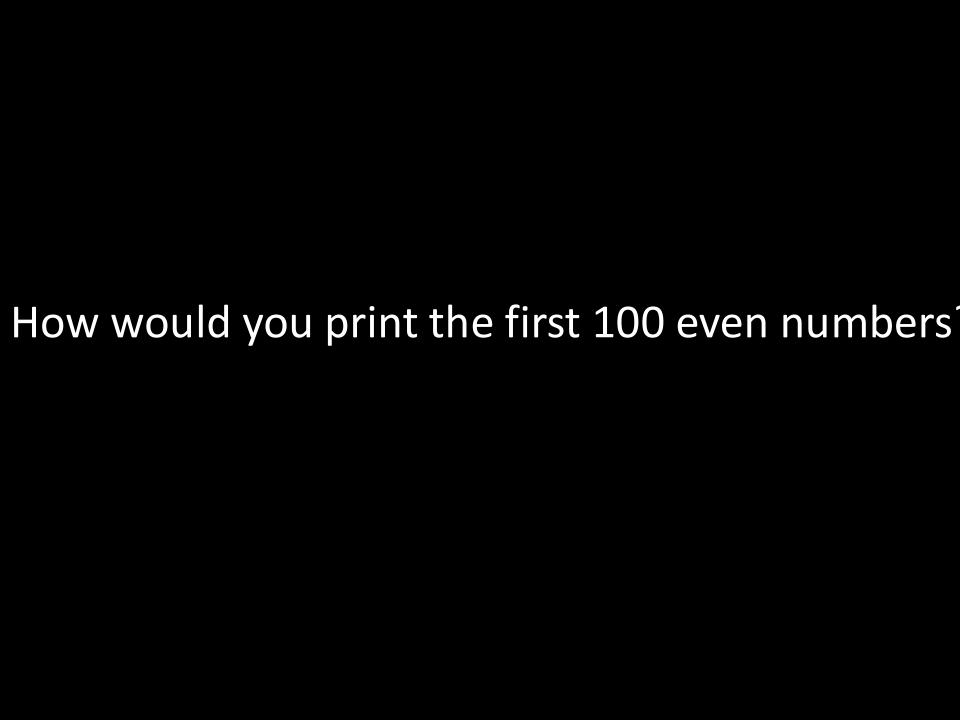
```
Python rocks socks
Python rocks socks
Python rocks socks
Python rocks socks
```

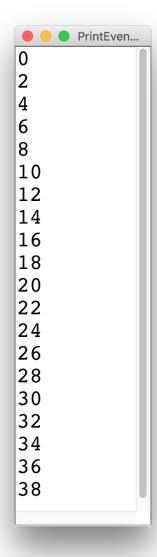


You can use the for loop variable











```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
i 0
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
i 0
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
i 0
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
i 1
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux
```



```
i 1
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux

0
2
```



```
i 2
```

```
for i in range(3):
   print(i * 2)
```

```
For Loop Redux

0
2
```



```
i 2
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux

0
2
4
```



```
i 3
```

```
for i in range(3):
   print(i * 2)
```

```
For Loop Redux

0
2
4
```



```
i 3
```

```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux

0
2
4
```



```
for i in range(3):
    print(i * 2)
```

```
For Loop Redux

0
2
4
```



Piech + Sahami, CS106A, Stanford University

```
For Loop Redux

0
2
4
```



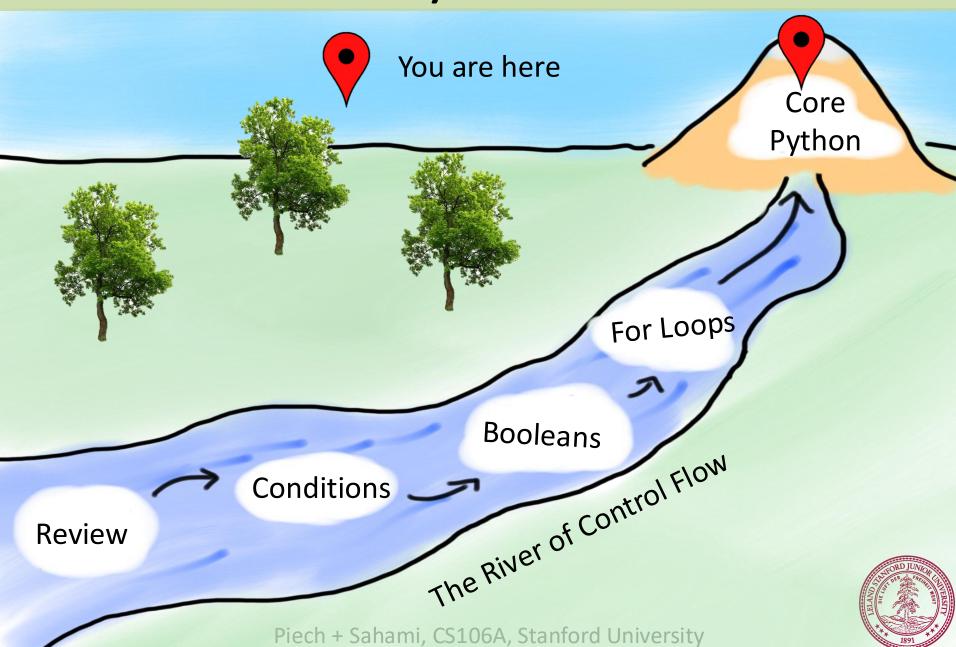
Piech + Sahami, CS106A, Stanford University

That's all

```
def main():
    for i in range(999999):
        print("You rock!")
        print("Keep learning!")
```



Today's Route



Today's Goal

1. Be able to use For / While / If in Python

