Loops

Python for Ecologists

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■ whitespace is very important, determines the close

```
if grade >= 90:
    print "A"
elif grade >= 80:
    print "B"
elif grade >= 70:
    print "C"
elif grade >= 60:
    print "D"
else:
    print "F"
```

Booleans

```
cloudy = True
rainy = False
# Testing booleans
print(bool("alpha"<"beta"))
True</pre>
```

■ Strings are compared alphabetically when sorted

Comparison operators

■ Python comparison operators

Notes			

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through a list of numbers for value in [1,2,3,4,5,6,7]: print value # using range for value in range(1,8): print value

Loop iteration

```
Notes
```

```
# through a list of strings with indices
watersheds = ["Suwanne", "Oconee", "Tennessee", "Flint"]
for index, value in enumerate(watersheds):
    print index, value
# can also loop through dictionaries
```

```
Notes ______
```

```
break, continue, and pass
  # using break
   for number in range(1,8):
    if number < 5:
     print number
   else:
       break
  # using continue
   for number in range(1,8):
   if number < 5:
     print number
     continue
  # pass
   for number in range(1,8):
    if number < 5:
     print number
    else:
     pass
```

Notes			

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