

6.8: STRING COMPARISON



Contributed by [Chuck Severance](#)
Clinical Associate Professor (School of Information) at [University of Michigan](#)

The comparison operators work on strings. To see if two strings are equal:

```
if word == 'banana':  
    print('All right, bananas.')
```

Other comparison operations are useful for putting words in alphabetical order:

```
if word < 'banana':  
    print('Your word,' + word + ', comes before banana.')
```

```
elif word > 'banana':  
    print('Your word,' + word + ', comes after banana.')
```

```
else:  
    print('All right, bananas.')
```

Python does not handle uppercase and lowercase letters the same way that people do. All the uppercase letters come before all the lowercase letters, so:

```
Your word, Pineapple, comes before banana.
```

A common way to address this problem is to convert strings to a standard format, such as all lowercase, before performing the comparison. Keep that in mind in case you have to defend yourself against a man armed with a Pineapple.