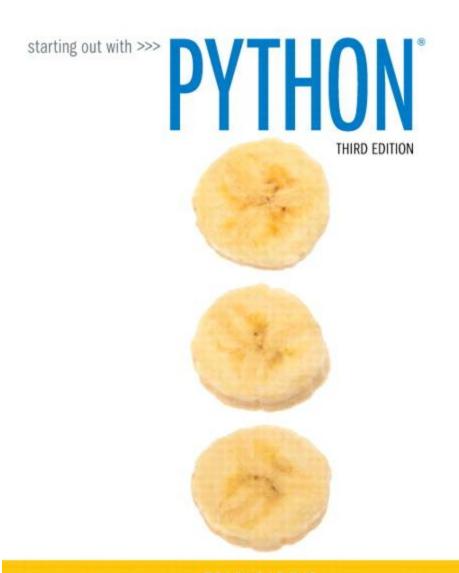
CHAPTER 8

Strings

(some parts)



TONY GADDIS

Topics

- Basic String Operations
- String Slicing
- Testing, Searching, and Manipulating Strings

Basic String Operations

- Many types of programs perform operations on strings
- In Python, many tools for examining and manipulating strings
 - Strings are sequences, so many of the tools that work with sequences work with strings

Accessing Individual Character in a String

- To access an individual character in a string:
 - Use a for loop

- Use while loop with indexing
 - Each character has an index specifying its position in the string, starting at 0
 - Format: character = my_string[i]
 name = "Juliet"
 index = 0
 while index <= len(name)-1
 print(name[index])
 index += 1</pre>

Figure 9-1 Iterating over the string 'Juliet'

```
'Roses are red'
```

```
name = "Roses are red"
                                  OUTPUT:
                                  R -> index 0
index = 0
while index < len(name)</pre>
                                  o -> index 1
   print(name[index])
                                  S
   index += 1
                                  e
                                  S
                                      -> index 5
                                  a
                                  r
                                  e
                                  r
                                  e
                                  d
                                       -> index 12
```

demo_stringLoops.py