

# Lab 8: String Processing

- **String**

- a sequence of characters indexed from 0 to the length - 1
- access a character with [ ] and an index
- use **in** to determine if a character or phrase is in a string
- use **len** to determine the length of the string
- concatenate strings together with +
- helpful tests:
  - `isdigit()`
  - `islower()`
  - `isupper()`

- **stringThings.py**

- **countDigits** – returns the number of digits in string
- **reverseString** – returns the reverse of the string
- **isPalindrome** – returns True if the string is a palindrome, False otherwise
- **middleChar** – returns the middle of the string
- **repeatPhrase** – repeats the string num times separated by delim
- **passwordCheck** – returns True if the password follows the guidelines, False otherwise

- Don't forget to show me!