[0330] Working with String Data

Useful string methods and properties

- Length
- Contains()
- Equals()
- Format()
- Replace()
- ToLower()

String Concatenation

- Strings can be joined via "+" and "+="

String Literals and Escape Characters

- Escape Characters in literals via backslash - e.g. \"
- Verbatim Strings - used if you have lots of characters that need to be escaped
  - Prefixed with "@"
  - Disables escape characters
  - Also preserves white spaces

String Comparison

- "==" compares the contents of two strings character-by-character

Strings Are Immutable!

- You cannot modify the internals of a string object

- String operations return a NEW string that (usually) replaces the old version

- Use System.Text.StringBuilder if you think you need to modify the middle of a string

String Interpolation

- The latest (and greatest) way to get variable values into a string.

- Prefixed with "$"

- Contains variable names inside curly braces

- Variable values substituted into the format string to generate the output string

Try it yourself!

Write a program that uses String Interpolation to join the string "The symbol for a double quotation mark is: " with a string that contains one double quotation mark and displays the results on the console.

After trying it yourself, click here to see one possible answer: **[330a] Try it yourself Answer (https://lwtech.instructure.com/courses/1841516/pages/330a-try-it-yourself-answer)**