CSCI 141

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The split and join String methods
Goals

• Know how to use the convenient string methods `split` and `join`
String's `split` method

`string.split(separator_string)`

Splits the string into a list on a given separator, or all whitespace by default. It "eats" the separators.

demo
String's `split` method

```
string.split(separator_string)
```

Splits the string into a list on a given separator, or all whitespace by default. It "eats" the separators.

```
a = "This is a sentence."
b = "4.5, 6.8, 82.3"
c = """This is a string with \t weird whitespace""
```

```
a.split()  # on all whitespace
c.split()  # on all whitespace
b.split()  # commas remain
b.split("","") # spaces remain
b.split(""," ") # just the values
```
String's join method

```python
string.join(list_of_strings)
```

Joins its argument's elements into a single string, separated by the string that `join` was called on.

```
"_".join(["a", "b", "c"])) => "a_b_c"
```

demo
String's **join** method

```python
string.join(list_of_strings)
```

Joins its argument's elements into a single string, separated by the string that `join` was called on.

```
"_".join(["a", "b", "c"]) => "a_b_c"
```

```python
a = [1, 2, 3, 4]
" ".join(a) # error - not a list of strings
b = []
for v in a:
    b.append(str(v)) # convert a's values to str

" ".join(b) # => "1 2 3 4"
" one thousand ".join(b)
# => "1 one thousand 2 one thousand 3 one thousand 4"
```