

*Tags: **Methods**,

Methods Intro

#Methods are functions that "live" on objects

```
thing.method()
```

- Methods automatically have access to the object they are called on
- called by . , execute on whatever is on the left

String Methods

- Capitalization methods

```
msg = "Hello world"
msg.capitalize()
Hello world

msg.upper()
HELLO WORLD

msg.lower()
hello world
```

Help() and ipython '?'
- use help() > similar to linux man
- In ipython: xxxxx.--- > use tab after . to see all viable methods

Strip Methods
- square brackets around a value = optional
- Strip returns copy of a string with the leading default characters removed
```python
# removing leading and trailing white space
"  hello".strip()
'hello'

```

-use the [chars] options to remove specific characters that are not leading

```
"---hello-----".strip("-")
'hello'


```

Replace

- replaces characters or substrings within a string

- has required arguments

```
str.replace(old, new, [count])
```



old and new are required

Method Chaining

- can call multiple methods in 1 command

```
email
'TODD@gmail.com'

email.lower().strip()
'todd@gmail.com'

1. product = " Prune Juice "
2. slug = product.strip().lower().replace(" ", "-")
slug
'prune-juice'

# First the string is stripped of leading and trailing spaces, then
lowercased, then any remaining spaces (the middle one) are replaced with "-"
```

Press Release Exercise

```
press_release = """

Doody Calls, a nationwide leader in dog poop removal services, is growing its
footprint in the pooper scooper industry with the opening of an office in
Orlando, Florida. Doody Calls currently cleans up dog poop in over 57
territories across 23 states and has been named the number-one dog poop
removal franchise in the United States by Entrepreneur Magazine's annual
Franchise 500 list.

"""

# Remove the leading and trailing whitespace (new lines) from press_release
```

```
press_release = press_release.strip()

# Replace the phrase "dog poop" with "pet waste" in the press release. Our
research shows "pet waste" tests better than "dog poop"

press_release = press_release.replace("dog poop", "pet waste")

# We changed our company name! replace the phrase "Doody Calls" with
"DoodyCalls" (no space between the words)

press_release = press_release.replace("Doody Calls", "DoodyCalls")

# Our research shows that it's best to shout our press releases. Make the
entire press release uppercased!

press_release = press_release.upper()

# Print out the updated press release with all of the above changes:

print(press_release)
```