

# Workshop 05

## Review Assignments 2 + 3

Emily Zhao

CSCI-UA.0002

```
format()
```

# `format()`

Helps us create strings!

- Formatting numbers and floats
  - Rounding
  - Add symbols (i.e. commas, percents)
- Control length of string
  - Make tables
- Alignment (right, left, center)

# round()

`round(number, digits)`

Returns a floating point number!

- Returns rounded version of the specified number, with the specified number of decimals
- The default number of decimals is 0, meaning that the function will return the nearest integer

# round()

Helps us create strings!

- Formatting numbers and floats
  - Rounding
  - Add symbols (i.e. commas, percents)
- Control length of string
  - Make tables
- Alignment

```
x = 65.09348
```

```
f = format(x, ".2f")
```

```
r = round(x, 2)
```

```
print(f)
```

```
print(r)
```

```
> 65.09
```

```
> 65.09
```

```
print(round(x))
```

```
print(f + 1.00)
```

```
> 65
```

```
> Error!
```

**When do you usually want to use `round()` and `format()`?**

## > **Assignment 2**

Question 2: round/format at the very end

Question 3: show the logic behind your calculations more!



**How are you all feeling about your code?**  
**Does it feel long? Inefficient? Disorganized? Redundant?**

## > **Assignment 3**

Questions 1 + 3: Did you utilize Boolean variables?

Question 3: How many lines of code did you use?