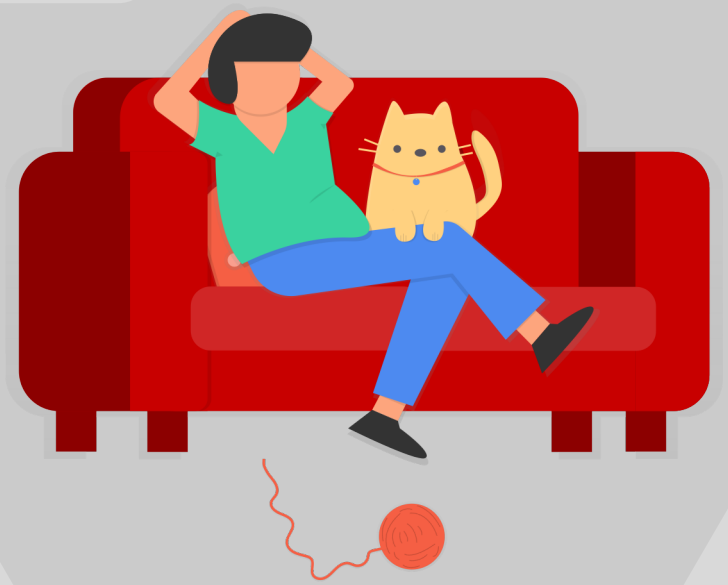
code_in_place_2021

Section 03

Watercooler

- Favorite coding problem/solution
- Coding pet peeves
- Bugs in your code



Shared Agreements

- ✓ **Use professional, courteous, and thoughtful language**
  Be mindful of your peers when speaking and asking questions

- ✓ **Assume your peers have good intention**
  Even if their words or actions cause concern, remember that we're all learning together.

- ✓ **Ask questions**
  There is NO silly question

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Review concepts

- Comparison Operators
- Scope

Comparison Operators

```
num = 9

print(num == 9)    #True

print(num == 9.0) #True

print(num == “9”) #False

print(9 == “9”)    #False
```

Comparison Operators (cont'd)

```
a = True
b = 5
c = 10
```

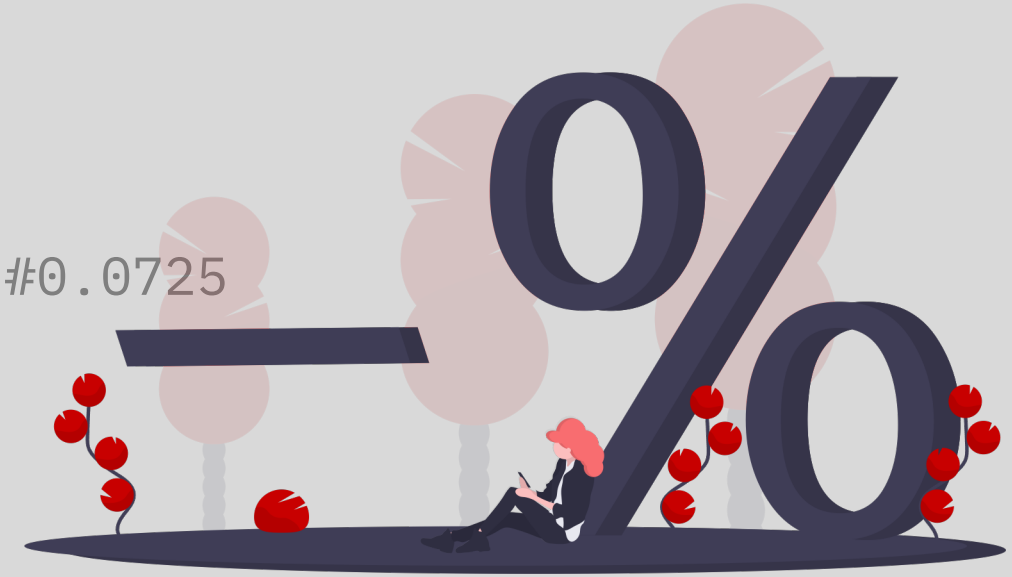
Operator	Meaning	Expression	Result
==	equals	a = b == c	a is False. 5 is not equal to 10
!=	not equals	a = b != c	a is True. 5 is not equal to 10
<	less than	a = b < c	a is True. 5 is less than 10
>	greater than	a = b > c	a is False. 5 is not greater than 10
<=	less than or equal to	a = b <= c	a is True. 5 is less than 10
>=	greater than or equal to	a = b >= c	a is False. 5 is not greater than than 10

Example

```
def validate_password():
    password = input("enter your password: ")
    while password != "section 183":
        if len(password) >= 20:
            print("🚨 too long")
        password = input("❎ try again: ")
    print("you entered: ", password)
    print("🎉 success")
```

Scope

```
sales_tax = 0.056
def print_california_sales_tax():
    sales_tax = 0.0725
    print("CA sales tax", sales_tax) #0.0725
def main():
    print_california_sales_tax()
    print("average sales tax", sales_tax) #0.056
```



Pair Programming

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Story time!

- Computers and technology are everywhere
- Logical problem solving
- Imagination
- Inspiration from other activities