Instance vs Class vs Static Methods & Attributes

Instance

```python
class MyMath:
    result = 5

    def add(self, a):
        print(self.result + a)


my_math = MyMath()
my_math.add(5) # 10
```

There's a better Way

Passed in automatically

New Object gets Instantiated

add() Method gets called on the Object

Class

```python
class MyMath:
    result = 5
    @classmethod
    def add(cls, a):
        print(cls.result + a)


MyMath.add(5) # 10
```

A "Decorator"

Passed in automatically

add() Method gets called on the Class

Static

```python
class MyMath:
    result = 5
    @staticmethod
    def add(a):
        print(a)


MyMath.add(5) # 5
```

Result can't be accessed from inside a static method

add() Method gets called on the Class Container