

# Python Classes

## Structure

```
class name:
    def __init__(self, attr1, attr2):
        self.attr1 = attr1
        self.attr2 = attr2
        self.attr3 = []

    def function(self, var1):
        return self.attr1 * 2 + var1

    def __str__(self):
        return "text" + str(self.attr2)

    def __add__(self, other):
        return name(self.attr1 + other.attr1, self.attr2 + other.attr2)

class other:
    def __init__(self, attr1, attr2):
        self.attr1 = attr1
        self.attr2 = attr2
```

## SET

```
name_0 = name(2, 3)
name_1 = name(4, 9)
name_1.attr3 = [4, 7]
```

## GET

```
print(name_0) => text 3
print(name_0.attr1) => 2
print(name_1.attr3) => [4,7]
print(name.function(name_0, 20)) => 24
```