

classes

'Canine' #class variable shared by all instances

def

def

def

#instance variable unique to each instance



Astro!



#'Canine' (shared by all dogs)

#'Canine' (shared by all dogs)

'Astro' (unique to a)

'Buddy' (unique to b)

Class and Instance Variables

```
class Dog:
    kind = 'Canine'          # class variable shared by all instances

    def __init__(self, name):
        self.name = name    # instance variable unique to each instance
```

```
a = Dog('Astro')
```

```
b = Dog('Buddy')
```

```
a.kind # 'Canine' (shared by all dogs)
```

```
b.kind # 'Canine' (shared by all dogs)
```

```
a.name # 'Astro' (unique to a)
```

```
b.name # 'Buddy' (unique to b)
```

Warning