

Class Attributes

A class can have many instances. Class attributes belong to the class itself they will be shared by all the instances. If we change those class attributes in one instance then it will change in all instances. Such attributes are defined in the class body parts usually at the top, for legibility.

Example:

```
class sampleclass:
    c = 0    # class attribute

    def increase(self):
        sampleclass.c += 1

s1 = sampleclass()
s1.increase()
print(s1.c)

s2 = sampleclass()
s2.increase()
print(s2.c)

print(sampleclass.c)
```

Output:

```
1
2
2
```