Namespace

In Python, Namespace represents a memory block where names are mapped to objects.

Class Namespace – A class maintains it's own namespace known as class namespace. In the class namespace, the names are mapped to class variables.

Instance Namespace – Every instance have it's own namespace known as instance namespace. In the instance namespace, the names are mapped to instance variables.
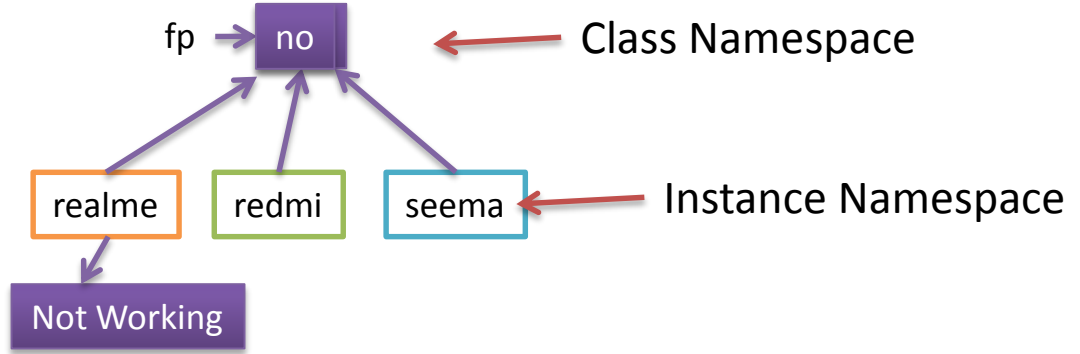
Namespace

class Mobile:
    fp = yes

Class Variable

realme = Mobile()
redmi = Mobile()
seema = Mobile()

fp → no — Class Namespace

realme   redmi   seema ← Instance Namespace

Not Working

Mobile.fp	# yes	Mobile.fp = no		realme.fp = Not Working	
realme.fp	# yes	Mobile.fp	# no	Mobile.fp	# no
redmi.fp	# yes	realme.fp	# no	realme.fp	# Not Working
seema.fp	# yes	redmi.fp	# no	redmi.fp	# no
		seema.fp	# no	seema.fp	# no