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.
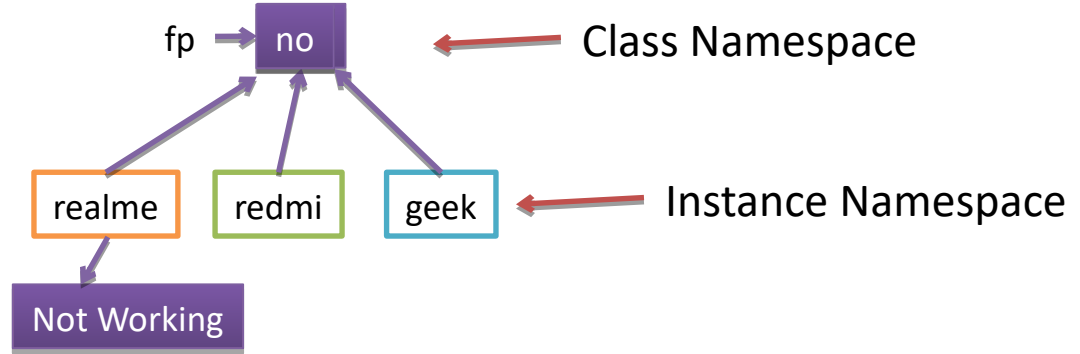
Namespace

class Mobile:
    fp = yes

Class Variable

realme = Mobile()
redmi = Mobile()
geek = Mobile()

fp → no

Class Namespace

realme   redmi   geek

Instance Namespace

Not Working

Mobile.fp	# yes	
realme.fp	# yes	
redmi.fp	# yes	
geek.fp	# yes	

Mobile.fp = no

Mobile.fp	# no
realme.fp	# no
redmi.fp	# no
geek.fp	# no

realme.fp = Not Working

Mobile.fp	# no
realme.fp	# Not Working
redmi.fp	# no
geek.fp	# no