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le sottoclassi hanno la propria variabile numInstances

class Spam:		
numInstances = 0		
<pre>def count(cls):</pre>		<i># Per-class instance counters</i>
<pre>cls.numInstances += 1</pre>		<i># cls is lowest class above instance</i>
def init (self):	
<pre>self.count()</pre>		<i>#</i> Passes selfclass to count
count = classmeth	od(count)	
class Sub(Spam):		
numInstances = 0		
def init (self):	# Redefines init
definit(self Spaminit		# Redefinesinit
		# Kedefinesinit # Inheritsinit

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Metodo di classe invocato attraverso le sottoclassi class Spam: numInstances = 0 def count(cls): *# Per-class instance counters* cls.numInstances += 1 def __init__(self): self.count() # cls is lowest class above instance # Passes self.__class__ to count count = classmethod(count) class Sub(Spam): numInstances = 0 def __init__(self): Spam.__init__(self) # Redefines __init__ class Other(Spam): # Inherits __init__ numInstances = 0 >>> from spam_class2 import Spam, Sub, Other >>> x = Spam() >>> y1, y2 = Sub(), Sub() >>> z1, z2, z3 = Other(), Other(), Other() >>> x.numInstances, y1.numInstances, z1.numInstances # Per-class data! (1, 2, 3)>>> Spam.numInstances, Sub.numInstances, Other.numInstances (1, 2, 3) Programmazione Avanzata a.a. 2021-22 104 A. De Bonis





