

CLASS VARIABLES AND THE Rabbit SUBCLASS

- **class variables** and their values are shared between all instances of a class

```
class Rabbit(Animal):  
    tag = 1  
    def __init__(self, age, parent1=None, parent2=None):  
        Animal.__init__(self, age)  
        self.parent1 = parent1  
        self.parent2 = parent2  
        self.rid = Rabbit.tag  
        Rabbit.tag += 1
```

parent class

class variable

instance variable

access class variable

incrementing class variable changes it for all instances that may reference it

- tag used to give **unique id** to each new rabbit instance