[class variable]

* The variable that belong to class rather than instance.

[class method]

* Can be used without instance.
* It will take “cls” as first argument.
* If the method need to access class variable, it can be accessed by cls.<variable>
* Usually used on multiple constructor

[static method]

* Can be used without instance.
* The method should not access class variable (it can by <class>.<variable>, but not recommended)

Class humman:

population = 0 # the class variable (static), it is initialized before any instance builds.

def \_\_init\_\_(self, name, age, gender):

self.name = name

self.age = age

self.gender = gender

humman.population += 1 # the class variable is called by <class\_name>.<variable\_name>

@classmethod

def from\_string(cls, input\_string):

arg = input\_string.split(‘.’)

return cls(arg[0], arg[1], arg[2])