Work with your neighbor. (This will be graded for participation only.

1. Given the class definition below:

```
class Student:
     def _ _init_ _(self, name, id):
           self._name = name
           self._id = id

     def get_name(self):
         return self._name
```

a) Write a method `get_id()` that returns a `Student` object's id.

ANS:

```
     def get_id(self):
           return self._id
```

b) Create a `Student` object with name 'Harry' and id 342.

ANS:

```
        s = Student('Harry', 342)
```

2. Given the class definition below:

```
class Counter:
    def __init__(self, name):
        self._name = name
        self._count = 0

    def click(self):
        self._count += 1

    def count(self):
         return self._count
```

a) Write a method `reset()` that will set the count to zero.

ANS:

```
def reset(self):
    self._count = 0
```

b) Write a `reset_count()` method that returns the number of times the counter has been reset. *Hint: you may need to add another attribute to the class definition.*

ANS:

```
class Counter:
   def __init__(self, name):
      self._name = name
      self._count = 0
      self._num_resets = 0  #keep track of the resets

   def reset(self:
      self._count = 0
      self._num_resets += 1 # increment at each reset

   def reset_count(self):
     return self._num_resets
```

c) Write a `__ str__ ()` method for `Counter`.

ANS:

```
def __str__(self):

   return "Counter :" + self._name + "->" + \

                str(self._count)
```