Activity 0

def modify tup(tup): tup = tup + (4, 5)print(tup) def modify_dict(d): d["hello"] = "world print(d) if __name__ == "__main_ tup = (1, 2, 3)modify_tup(tup) print(tup) $d = \{\}$ modify dict(d) print(d)

Activity 1

Count1:

Count2:

Count1:

Activity 2

```
class Counter:
    # Constructor
    def reload(self):
```

Activity 3

```
class Student:
    unique students = 0
    def __init__(self, name, id_num):
        self.name = name
        self.id = hash(unique students)
       unique_students += 1
        self.units_complted = 0
    def add_units(self, units_to_add):
        self.units completed += units to add
    def can_graduate(self):
        return self.units_completed >= 40
```

```
(1, 2, 3, 4, 5)
(1, 2, 3)
{'hello': 'world'}
{'hello': 'world'}
```

```
number of counters = 0
def __init__(self, max_tickets=None):
    self.ticket_num = 0
   self.max_tickets = max_tickets
    Counter.number_of_counters += 1
def next_value(self):
    if self.max_tickets == self.ticket_num:
       self.ticket num = None
       self.ticket_num += 1
    return self.ticket_num
    self.ticket_num = 0
```