```
from operator import itemgetter
class Driver:
      self.fio = fio
      self.exp = exp #стаж в годах
      self.ap_id = ap_id
class AP:
  def __init__(self, id, name):
class DriverAP:
      self.driver id = driver id
aps = [
  AP(2, 'ЭкоДрайв'),
drivers = [
```

```
Driver(5, 'Данилов', 13, 3)
drivers_aps = [
  DriverAP(2, 5),
def main():
  one to many = [(d.fio, d.exp, ap.name)
      for ap in aps
      for d in drivers
  many_to_many_temp = [(ap.name, dap.ap_id, dap.driver_id)
      for ap in aps
      for dap in drivers_aps
       if ap.id==dap.ap id]
  many to many = [(d.fio, d.exp, dep name)
       for dep_name, ap_id, driver_id in many_to_many_temp
  print('Задание Д1')
  res_1 = [(i[0], i[2]) for i in one_to_many if i[0].endswith("ob")]
  print(res 1)
  print('\nЗадание Д2')
```

```
res 2 unsorted = []
  for ap in aps:
      ap_drivers = list(filter(lambda i: i[2]==ap.name, one_to_many))
          ap exps = [exp for ,exp, in ap drivers] # получаем
          ap_exps_mid = sum(ap_exps)/len(ap_exps) # вычисляем
          res_2_unsorted.append((ap.name, ap_exps_mid))
  print(res 2)
  print('\nЗадание ДЗ')
  for ap in aps:
      if ap.name.startswith("A"):
many to many))
          ap_drivers_names = [x for x,_,_ in ap_drivers]
  print(res_3)
if __name__ == '__main__':
```

Вывод:

```
Задание Д1
[('Борисов', 'Транспортный Альянс'), ('Герасимов', 'ЭкоДрайв'), ('Данилов', 'АвтоМир')]
Задание Д2
[('ЭкоДрайв', 22.5), ('АвтоМир', 13.0), ('Транспортный Альянс', 10.5)]
Задание Д3
{'АвтоМир': ['Алексеев', 'Борисов', 'Герасимов', 'Данилов']}
```