```
from operator import itemgetter
class driver:
     def __init__(self, id, fio, sal, carPark_id):
           self.id = id
           self.fio = fio
           self.sal = sal
           self.carPark_id = carPark_id
class carPark:
     def __init__(self, id, name):
           self.id = id
           self.name = name
class driverCarPark:
     def __init__(self, carPark_id, driver_id):
           self.carPark_id = carPark_id
           self.driver id = driver id
car_parks = [
     carPark(1, 'Машинка'),
     carPark(2, 'Скорость'),
     carPark(3, 'ABTOUEHTP'),
     carPark(11, 'Need for speed'),
     carPark(22, 'Быстрее ветра'),
     carPark(33, 'ABTobac'),
]
drivers = [
     driver(1, 'Apтамонов', 25000, 1),
     driver(2, 'Петров', 35000, 2),
     driver(3, 'Иваненко', 45000, 3),
     driver(4, 'Акимов', 35000, 3),
     driver(5, 'Иванин', 30000, 3),
     driver(6, 'Абдуллаев', 50000, 1),
     driver(7, 'Алексеев', 38000, 2),
driver_car = [
     driverCarPark(1, 1),
     driverCarPark(2, 2),
     driverCarPark(3, 3),
     driverCarPark(3, 4),
     driverCarPark(3, 5),
     driverCarPark(2, 6),
     driverCarPark(1, 7),
     driverCarPark(11, 1),
     driverCarPark(22, 2),
     driverCarPark(33, 3),
     driverCarPark(33, 4),
     driverCarPark(33, 5),
     driverCarPark(22, 6),
     driverCarPark(11, 7),
1
def main():
     one_to_many = [(e.fio, e.sal, d.name)
                           for d in car_parks
                           for e in drivers
                           if e.carPark_id == d.id]
     many_to_many_temp = [(d.name, ed.carPark_id, ed.driver_id)
                                    for d in car_parks
                                    for ed in driver_car
                                   if d.id == ed.carPark_id]
     many_to_many = [(e.fio, e.sal, car_park_name)
                            for car_park_name, car_park_id, driver_id in many_to_many_temp
                            for e in drivers if e.id == driver_id]
     print('Задание A1')
     res_11 = {}
```

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for d in drivers:
           for e in car_parks:
                 if 'A' in d.fio:
                       d_parks = list(filter(lambda i: i[0] == d.fio, one_to_many))
                       d_parks_names = [x for _, _, x in d_parks]
                       res_11[d.fio] = d_parks_names
     print(res_11)
     print('\nЗадание A2')
     res_12_unsorted = []
     for d in car_parks:
           d_driver = list(filter(lambda i: i[2] == d.name, one_to_many))
           if len(d_driver) > 0:
                 d_sals = [sal for _, sal, _ in d_driver]
                 d_{sals_min} = min(d_{sals})
                 res_12_unsorted.append((d.name, d_sals_min))
     res_12 = sorted(res_12_unsorted, key=itemgetter(1), reverse=True)
     print(res_12)
     print('\nЗадание A3')
     res_13 = sorted(many_to_many, key=itemgetter(0))
     print(res_13)
if __name__ == '__main__':
     main()
```





