

## แบบฝึกหัดชุดที่ 6

ข้อที่ 1

```
class Car:
    def __init__(self, license, brand, color):
        self.license = license
        self.brand = brand
        self.color = color
        self.report = []

    def __str__(self):
        return f"{self.license}-{self.brand}{self.color}"

    def __lt__(self, rhs):
        return self.license < rhs.license

    def add_report(self, new_report):
        self.report.append(new_report)

    def total_payment(self):
        total = 0
        for payment in self.report:
            total += payment[2]
        return total

    def max_payment(self):
        if len(self.report) <= 0:
            return self.report
        else:
            for max in range(0, len(self.report)):
                if max + 2 > len(self.report):
                    break
                elif (self.report[max][2]) < (self.report[max+1][2]):
                    compare = self.report[max+1]
                elif (self.report[max][2]) > (self.report[max+1][2]):
                    compare = self.report[max]
            return compare

c = Car('AA1234', 'Honda', 'White')
c1 = Car('AA1234', 'BMW', 'Black')
c.add_report(('20 May 2017', 'chang tires', 1500))
c.add_report(('23 May 2017', 'chang tires', 3000))
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c.add_report(('25 May 2017', 'chang tires', 4500))
c.add_report(('26 May 2017', 'chang tires', 5500))
print(c<c1)
print(c.report)
print(c.total_payment())
print(c.max_payment())

```

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe d:/Prog_Fund/Visual_Studio_File/64015031_lab6/64015031_lab6.py
AA1234-HondaWhite
False
[('20 May 2017', 'chang tires', 1500), ('23 May 2017', 'chang tires', 3000), ('25 May 2017', 'chang tires', 4500), ('26 May 2017', 'chang tires', 5500)]
14500
('26 May 2017', 'chang tires', 5500)
PS C:\Users\USER> █

```

ข้อที่ 2

```

class ShoppingCart:
    def __init__(self, id):
        self.id = id
        self.books = []

    def add_book(self, book, n, total):
        value = 0
        if len(self.books) == 0:
            self.books.append([book, n ,total])
        else:
            for add in self.books:
                if add[0] == book:
                    add[1] += n
                    break
            else:
                value += 1
                if value == len(self.books):
                    self.books.append([book, n ,total])
                    break

    def delete_book(self, book):
        for dele in range(0,len(self.books)):
            if book in self.books[dele]:
                self.books.pop(dele)
                break

    def get_total(self):
        total = 0
        for cost in self.books:

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        total += int(cost[2]) * int(cost[1])
    return total

def __lt__(self, rhs):
    return self.get_total() < rhs.get_total()

chidshop = ShoppingCart(5555)
chickenshop = ShoppingCart(69)
chidshop.add_book('b1', 2, 15)
chidshop.add_book('b2', 3, 20)
chidshop.add_book('b1', 1, 15)
chidshop.add_book('b2', 2, 20)
chidshop.add_book('b3', 1, 30)
chidshop.add_book('b3', 2, 30)
chickenshop.add_book('b4', 2, 50)
print(chidshop > chickenshop)
chidshop.delete_book('b1')
print(chidshop.books)
print('מכירת =',chidshop.get_total(), 'חזר')

```

```

PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe d:/Prog_Fund/Visual_Studio_File/6401503
True
[['b2', 5, 20], ['b3', 3, 30]]
מכירת = 190 חזר
PS C:\Users\USER>

```