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In [ ]: ## online car rental system through python oops?  
## make a car reservation and and take it as rent and calcuate the rent by the co
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In [13]: class Car:  
    def __init__(self, make, model, year):  
        self.make = make  
        self.model = model  
        self.year = year  
        self.available = True  
  
    def rent(self):  
        self.available = False  
  
    def return_car(self):  
        self.available = True  
  
class CarRentalSystem:  
    def __init__(self):  
        self.cars = []  
  
    def add_car(self, car):  
        self.cars.append(car)  
  
    def rent_car(self, make, model, year):  
        for car in self.cars:  
            if car.make == make and car.model == model and car.year == year and car.available == True:  
                car.rent()  
                return car  
        return None  
  
    def return_car(self, car):  
        car.return_car()  
  
if __name__ == "__main__":  
    car_rental_system = CarRentalSystem()  
    car_rental_system.add_car(Car("Honda", "Accord", 2022))  
    car_rental_system.add_car(Car("Toyota", "Camry", 2023))  
    car = car_rental_system.rent_car("Honda", "Accord", 2022)  
    print(car.make, car.model, car.year)  
    car_rental_system.return_car(car)
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Honda Accord 2022

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In [ ]:
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