In [1]:
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import datetime

class mycar:

    def __init__(self,stock=0):

        self.stock = stock

    def displaystock(self):


        print("Total cars in stock".format(self.stock))
        return self.stock

    def rentforhour(self, q):

        if q <= 0:
            print("!Enter the positive value!")
            return None

        elif q > self.stock:
            print("!Value exceed the cars in stock!")
            return None

        else:
            self.stock=self.stock-q
            print("Remaining cars available in stock".format(self.stock))
            now=datetime.datetime.now()
            print("You have booked your car(s) on".format(now.hour))
            print("Rent per hour for one car is 200(INR).")
            print("We hope that you will enjoy our service.")

            return now

    def rentforday(self, q):

        if q <= 0:
            print("!Enter the positive value!")
            return None

        elif q > self.stock:
            print("!Value exceed the cars in stock!")
            return None

        else:
            self.stock=self.stock-q
            print("Remaining cars available in stock".format(self.stock))
            now=datetime.datetime.now()
            print("You have booked your car(s) on".format(now.hour))
            print("Rent per hour for one car is 200(INR).")
            print("We hope that you will enjoy our service.")

            return now

    def rentforweek(self, q):

        if q <= 0:
            print("!Enter the positive value!")
            return None

        elif q > self.stock:
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            print("!Value exceed the cars in stock!")
            return None

        else:
            self.stock=self.stock-q
            print("Remaining cars available in stock".format(self.stock))
            now=datetime.datetime.now()
            print("You have booked your car(s) on".format(now.hour))
            print("Rent per hour for one car is 200(INR).")
            print("We hope that you will enjoy our service.")

            return now



    def returnCar(self, request):

        rentalTime, rentalBasis, numOfCars = request
        bill = 0

        if rentalTime and rentalBasis and numOfCars:
            self.stock += numOfCars
            now = datetime.datetime.now()
            rentalPeriod = now - rentalTime

            if rentalBasis == 1:
                bill = rentalPeriod.seconds / 3600 * 5 * numOfCars
                print(f"YOUR TOTAL IS: {bill} Rupees")
                print("!Hope you enjoyed our service!")

            elif rentalBasis == 2:
                bill = rentalPeriod.days * 20 * numOfCars
                print(f"YOUR TOTAL IS: {bill} Rupees")
                print("!Hope you enjoyed our service!")

            elif rentalBasis == 3:
                bill = rentalPeriod.days / 7 * 60 * numOfCars
                print(f"YOUR TOTAL IS: {bill} Rupees")
                print("!Hope you enjoyed our service!")

            return bill
        else:
            print("Are you sure you rented a car with us?")
            return None



class Customer:

    def __init__(self):

        self.cars = 0
        self.rentalBasis = 0
        self.rentalTime = 0
        self.bill = 0

    def rentacar(self):
        cars=int(input("Enter the number of car(s) you want to rent: "))

        if cars < 1:
            print("!INVALID INPUT.Enter the positive value!")
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            return -1
        else:
            self.cars = cars
        return self.cars

    def returnCar(self):
        if self.rentalBasis and self.rentalTime and self.cars:
            return self.rentalTime, self.rentalBasis, self.cars
        else:
            return 0,0,0
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