Simulator

+ main(String[] args):void

+ runTest(String,String,String,

String,String,String,int,int):void

PoliceOfficer

ParkedCar

-name:String

-badgeNum:String

-make:String

-model:String

-color:String

-lisenseNum:String

-parkingTime:int

ParkingMeter

+ PoliceOfficer ()

+ addPoliceOfficer (String,

String):void

+ checkStatus(ParkedCar,

ParkingMeter):boolean

- issueTicket(ParkedCar,

ParkingMeter):void

+ getName():String

+ setName(String):void

+ getBadgeNum():String

+ setBadgeNum(String):void

-purchaseTime:int

+ ParkedCar()

+ addParkedCar(String,String

Sting,String,int):void

+ getMake():String

+ setMake(String):void

+ getModel():String

+ setModel(String):void

+ getColor():String

+ setColor(String):void

+ getLicenseNum():String

+ setLicenseNum(String):void

+ getParkingTime():int

+ setParkingTime(int):void

+ ParkingMeter()

+ setPurchaseTime(int):void

+ getPurchaseTime():int

ParkingTicket

-parkedCar:ParkedCar

-parkingMeter:ParkingMeter

-policeOfficer:PoliceOfficer

-overTime:int

-fine:int

+ ParkingTicket (ParkedCar,

ParkingMeter,PoliceOfficer)

+ reportInfo():void

-calFine():int