Class UsedCarLot

java.lang.Object
    UsedCarLot

```
public class UsedCarLot
extends Object
```

This class represents a used car lot

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Constructor Summary

Constructors

Constructor	Description
`UsedCarLot()`	Instantiates a UsedCarLot object with an empty inventory.

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
void	`addCar(int indexToAdd, Car carToAdd)`	Adds a car to the specified position.
void	`addCar(Car car)`	Adds a car to the end of the inventory
`ArrayList <Car>`	`getInventory()`	Method that returns the Car inventory
void	`moveCar(int indexOfCarToMove, int destinationIndex)`	Moves a car to the given position.
Car	`sellCarNoShift (int indexOfCarToSell)`	Sells a car at the position, and removes it, and replaces it with null.
Car	`sellCarShift (int indexOfCarToSell)`	Sells the car at the given position, removing it, and shifts the inventory to the left.
boolean	`swap(int idx1, int idx2)`	Swaps the both cars to the other position

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

Constructor Details

UsedCarLot

```
public UsedCarLot()
```

Instantiates a UsedCarLot object with an empty inventory.

Method Details

getInventory

```
public ArrayList <Car> getInventory()
```

Method that returns the Car inventory

Returns:

The inventory

addCar

```
public void addCar(Car car)
```

Adds a car to the end of the inventory

swap

```
public boolean swap(int idx1,
                    int idx2)
```

Swaps the both cars to the other position

Parameters:

`idx1` - Current position of first car

`idx2` - Current position of second car

Returns:

True if swap is successful

addCar

```
public void addCar(int indexToAdd,
                   Car carToAdd)
```

Adds a car to the specified position.

PRECONDITION: 0 <= indexToAdd < inventory.size()

Parameters:

`indexToAdd` - New position

`carToAdd` - Name of car

sellCarShift

```
public Car sellCarShift(int indexOfCarToSell)
```

Sells the car at the given position, removing it, and shifts the inventory to the left. The method will return the car that is being sold.

Parameters:

`indexOfCarToSell` - Current position of car to sell

Returns:

The car sold

sellCarNoShift

```
public Car sellCarNoShift(int indexOfCarToSell)
```

Sells a car at the position, and removes it, and replaces it with null.

Parameters:

`indexOfCarToSell` - Current position of car to sell

Returns:

The car sold

moveCar

```
public void moveCar(int indexOfCarToMove,
                    int destinationIndex)
```

Moves a car to the given position.

Parameters:

`indexOfCarToMove` - Current position of car

`destinationIndex` - New position