

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()	Creates a UsedCarLot object

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	addCar (int indexToAdd, Car carToAdd)	Adds a car to the inventory in a specific place
void	addCar (Car car)	Adds a car to the inventory at the end
ArrayList <Car>	getInventory ()	Returns the current inventory of the used car lot
void	moveCar (int indexOfCarToMove, int destinationIndex)	Moves the car of the chosen index to a different index
Car	sellCarNoShift (int indexOfCarToSell)	Removes the car of the index from inventory and replaces it with an empty space
Car	sellCarShift (int indexOfCarToSell)	Removes the car of the index from inventory and shortens length of inventory by 1
boolean	swapCars (int ind1, int ind2)	Swaps the places of two cars

Methods inherited from class java.lang.Object

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

Constructor Details

UsedCarLot

```
public UsedCarLot()
```

Creates a UsedCarLot object

Method Details

getInventory

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

Returns the current inventory of the used car lot

Returns:

The inventory of the used car lot

addCar

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

Adds a car to the inventory at the end

Parameters:

`car` - The new car added

swapCars

```
public boolean swapCars(int ind1,  
                        int ind2)
```

Swaps the places of two cars

Parameters:

`ind1` - The index of the first car

ind2 - the index of the second car

Returns:

Returns true if swap was successful

addCar

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

Adds a car to the inventory in a specific place

Parameters:

indexToAdd - The index of the place wanted to add

carToAdd - The car added

sellCarShift

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

Removes the car of the index from inventory and shortens length of inventory by 1

Parameters:

indexOfCarToSell - The index of the car removed

Returns:

Returns the car sold/removed from inventory

sellCarNoShift

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

Removes the car of the index from inventory and replaces it with an empty space

Parameters:

indexOfCarToSell - The index of the car removed

Returns:

Returns the car sold/removed from inventory

moveCar

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

Moves the car of the chosen index to a different index

PRECONDITION: Index are greater than 0 and less than the length + 1

Parameters:

`indexOfCarToMove` - The index of the car to move

`destinationIndex` - The place where to move the car