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**Package** [edu.fau.COT4930](#)

## Class DiscardPile

[java.lang.Object](#)  
[edu.fau.COT4930.DiscardPile](#)

```
public class DiscardPile
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">DiscardPile</a> (int x, int y)	Given input coordinates x and y, assigns xLoc and yLoc of card pile creates a new stack for pile

### Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	<a href="#">addCardToPile</a> ( <a href="#">Card</a> c)	given card c, function pushes card to top of the discard pile
int	<a href="#">getSize</a> ()	returns the number of cards in the stack
int	<a href="#">getX</a> ()	returns the x coordinate of the discard pile
int	<a href="#">getY</a> ()	returns the y coordinate of the discard pile
<a href="#">Card</a>	<a href="#">popCard</a> ()	pops the top card from the stack and returns card
<a href="#">Card</a>	<a href="#">showCard</a> ()	

PACKAGE CLASS USE TREE DEPRECATED INDEX HELP [shows the top card of the stack without altering it](#)

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## Methods inherited from class [java.lang.Object](#)

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

## Constructor Detail

### DiscardPile

```
public DiscardPile(int x,
                  int y)
```

Given input coordinates x and y, assigns xLoc and yLoc of card pile creates a new stack for pile

#### Parameters:

x -

y -

## Method Detail

### addCardToPile

```
public void addCardToPile(Card c)
```

given card c, function pushes card to top of the discard pile

#### Parameters:

c -

**popCard**

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```
public Card popCard()
```

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pops the top card from the stack and returns card

**Returns:**

**showCard**

```
public Card showCard()
```

shows the top card of the stack without altering it

**Returns:**

**getSize**

```
public int getSize()
```

returns the number of cards in the stack

**Returns:**

**getX**

```
public int getX()
```

returns the x coordinate of the discard pile

**Returns:**

**getY**

```
public int getY()
```

returns the y coordinate of the discard pile

**Returns:**

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