Myro

Class MyroLine

```
java.lang.Object
    Myro.MyroShape
        Myro.MyroLine
```

```
public class MyroLineextends Myro.MyroShape
```

Class representing a line for display on a MyroCanvas.

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Constructor Summary

MyroLine(Myro.MyroCanvas whichCanvas, int x1, int y1, int x2, int y2) Construct a line.

Method Summary

int	**getCenterX**() Returns the x-coordinate of the point at the center of this line
int	**getCenterY**() Returns the y-coordinate of the point at the center of this line
int	**getEndpoint1X**() Return the current x coordinate of the first endpoint of this line.
int	**getEndpoint1Y**() Return the current y coordinate of the first endpoint of this line.
int	**getEndpoint2X**() Return the current x coordinate of the second endpoint of this line.
int	**getEndpoint2Y**() Return the current y coordinate of the second endpoint of this line.
void	**move**(int deltaX, int deltaY) Move this line by (deltaX, deltaY)
void	**setEndpoint1**(int newX, int newY) Set a new beginning endpoint of this line
void	**setEndpoint2**(int newX, int newY) Set a new ending endpoint of this line

Methods inherited from class Myro.MyroShape

getBottom, getFillColor, getHeight, getLeft, getOutlineColor, getOutlineWidth, getRight, getTop, getWidth, invisible, isFilled, isVisible, makeFilled, makeOutline, setFillColor, setOutlineColor, setOutlineWidth, visible

Methods inherited from class java.lang.Object
equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

MyroLine

```
public MyroLine(Myro.MyroCanvas whichCanvas,
                int x1,
                int y1,
                int x2,
                int y2)
```

Construct a line. The color will initially be black and will not be visible.

Parameters:

`whichCanvas` - Specifies which MyroCanvas this circle will be drawn on

`x1` - The x coordinate of the first endpoint

`y1` - The y coordinate of the first endpoint

`x2` - The x coordinate of the second endpoint

`y2` - The y coordinate of the second endpoint

Method Detail

getCenterX

```
public int getCenterX()
```

Returns the x-coordinate of the point at the center of this line

Specified by:

`getCenterX` in class `Myro.MyroShape`

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getCenterY

```
public int getCenterY()
```

Returns the y-coordinate of the point at the center of this line

Specified by:

`getCenterY` in class `Myro.MyroShape`

---

getEndpoint1X

```
public int getEndpoint1X()
```

Return the current x coordinate of the first endpoint of this line.

Returns:

The x coordinate of the first endpoint of this line

---

getEndpoint1Y

```
public int getEndpoint1Y()
```

Return the current y coordinate of the first endpoint of this line.

Returns:
The y coordinate of the first endpoint of this line

---

getEndpoint2X

```
public int getEndpoint2X()
```

Return the current x coordinate of the second endpoint of this line.

Returns:
The x coordinate of the second endpoint of this line

---

getEndpoint2Y

```
public int getEndpoint2Y()
```

Return the current y coordinate of the second endpoint of this line.

Returns:
The y coordinate of the second endpoint of this line

---

move

```
public void move(int deltaX,
                 int deltaY)
```

Move this line by (deltaX, deltaY)

Specified by:
`move` in class `Myro.MyroShape`

Parameters:
`deltaX` - The amount to move this line in the x direction
`deltaY` - The amount to move this line in the y direction

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setEndpoint1

```
public void setEndpoint1(int newX,
                         int newY)
```

Set a new beginning endpoint of this line

Parameters:
`newX` - The new x coordinate of the first endpoint of this line
`newY` - The new y coordinate of the first endpoint of this line

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setEndpoint2

```
public void setEndpoint2(int newX,
                         int newY)
```

Set a new ending endpoint of this line

Parameters:
`newX` - The new x coordinate of the second endpoint of this line
`newY` - The new y coordinate of the second endpoint of this line