

```
public class PaintingTool
extends java.lang.Object
```

Constructor Summary

Constructors

Constructor and Description
<code>PaintingTool()</code>

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method and Description	
void	<code>drawCircle</code> (int centerX, int centerY, int radius) Draws a circle with the given values.	
void	<code>drawLine</code> (int x1, int y1, int x2, int y2) Draws a line connecting two given end points.	
void	<code>drawRect</code> (int leftX, int topY, int width, int height) Draws a rectangle with the given values.	
void	<code>drawText</code> (java.lang.String str, int x, int y) Draws text with the given values.	
void	<code>setFillColor</code> (Color c) Sets the color to fill (shade) subsequent text, circles, and rectangles	
void	<code>setFillColor</code> (int red, int green, int blue) Sets the color to fill (shade) subsequent text, circles, and rectangles.	
void	<code>setLineColor</code> (Color c) Sets the color of subsequent lines to be drawn in.	
void	<code>setLineColor</code> (int red, int green, int blue) Sets the color of subsequent lines to be drawn in.	
void	<code>setLineThickness</code> (int thickness) Sets the thickness, in pixels, of the line.	

Methods inherited from class java.lang.Object

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

Constructor Detail

PaintingTool

```
public PaintingTool()
```

Method Detail

drawCircle

```
public void drawCircle(int centerX,
                       int centerY,
                       int radius)
```

Draws a circle with the given values.

Parameters:

centerX - the horizontal x position of the center of the circle

centerY - the vertical y position of the center of the circle

radius - the radius in pixels of the circle

drawLine

```
public void drawLine(int x1,
                     int y1,
                     int x2,
                     int y2)
```

Draws a line connecting two given end points.

Parameters:

x1 - the horizontal x position of the starting endpoint

y1 - the vertical y position of the starting endpoint

x2 - the horizontal x position of the ending endpoint

y2 - the vertical y position of the ending endpoint

drawRect

```
public void drawRect(int leftX,
                    int topY,
```

```
        int width,  
        int height)
```

Draws a rectangle with the given values.

Parameters:

leftX - the left-most horizontal x position of the rectangle

topY - the top-most vertical y position of the rectangle

width - the width in pixels of the rectangle

height - the height in pixels of the rectangle

drawText

```
public void drawText(java.lang.String str,  
                    int x,  
                    int y)
```

Draws text with the given values.

Parameters:

str - the text to be displayed

x - the horizontal x position of the text (left justified)

y - the vertical y position of the text

setFillColor

```
public void setFillColor(Color c)
```

Sets the color to fill (shade) subsequent text, circles, and rectangles

Parameters:

c - the color to be used

setFillColor

```
public void setFillColor(int red,  
                        int green,  
                        int blue)
```

Sets the color to fill (shade) subsequent text, circles, and rectangles.

Parameters:

red - the red value of the color

green - the green value of the color

blue - the blue value of the color

setLineColor

```
public void setLineColor(Color c)
```

Sets the color of subsequent lines to be drawn in.

Parameters:

c - the color to be used

setLineColor

```
public void setLineColor(int red,  
                        int green,  
                        int blue)
```

Sets the color of subsequent lines to be drawn in.

Parameters:

red - the red value of the color

green - the green value of the color

blue - the blue value of the color

setLineThickness

```
public void setLineThickness(int thickness)
```

Sets the thickness, in pixels, of the line.

Parameters:

thickness - a positive number representing the number of pixels