**Graphics class methods:**

|  |  |
| --- | --- |
| **Modifier and Type** | **Method and Description** |
| abstract void | [**clearRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#clearRect%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Clears the specified rectangle by filling it with the background color of the current drawing surface. |
| void | [**draw3DRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#draw3DRect%28int,%20int,%20int,%20int,%20boolean%29)(int x, int y, int width, int height, boolean raised)  Draws a 3-D highlighted outline of the specified rectangle. |
| abstract void | [**drawArc**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawArc%28int,%20int,%20int,%20int,%20int,%20int%29)(int x, int y, int width, int height, int startAngle, int arcAngle)  Draws the outline of a circular or elliptical arc covering the specified rectangle. |
| abstract boolean | [**drawImage**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawImage%28java.awt.Image,%20int,%20int,%20java.awt.Color,%20java.awt.image.ImageObserver%29)([Image](https://docs.oracle.com/javase/7/docs/api/java/awt/Image.html) img, int x, int y, [Color](https://docs.oracle.com/javase/7/docs/api/java/awt/Color.html) bgcolor, [ImageObserver](https://docs.oracle.com/javase/7/docs/api/java/awt/image/ImageObserver.html) observer)  Draws as much of the specified image as is currently available. |
| abstract boolean | [**drawImage**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawImage%28java.awt.Image,%20int,%20int,%20java.awt.image.ImageObserver%29)([Image](https://docs.oracle.com/javase/7/docs/api/java/awt/Image.html) img, int x, int y, [ImageObserver](https://docs.oracle.com/javase/7/docs/api/java/awt/image/ImageObserver.html) observer)  Draws as much of the specified image as is currently available. |
| abstract void | [**drawLine**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawLine%28int,%20int,%20int,%20int%29)(int x1, int y1, int x2, int y2)  Draws a line, using the current color, between the points (x1, y1) and (x2, y2) in this graphics context's coordinate system. |
| abstract void | [**drawOval**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawOval%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Draws the outline of an oval. |
| abstract void | [**drawPolygon**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawPolygon%28int[],%20int[],%20int%29)(int[] xPoints, int[] yPoints, int nPoints)  Draws a closed polygon defined by arrays of *x* and *y* coordinates. |
| void | [**drawRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawRect%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Draws the outline of the specified rectangle. |
| abstract void | [**drawRoundRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawRoundRect%28int,%20int,%20int,%20int,%20int,%20int%29)(int x, int y, int width, int height, int arcWidth, int arcHeight)  Draws an outlined round-cornered rectangle using this graphics context's current color. |
| abstract void | [**drawString**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#drawString%28java.lang.String,%20int,%20int%29)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html) str, int x, int y)  Draws the text given by the specified string, using this graphics context's current font and color. |
| void | [**fill3DRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fill3DRect%28int,%20int,%20int,%20int,%20boolean%29)(int x, int y, int width, int height, boolean raised)  Paints a 3-D highlighted rectangle filled with the current color. |
| abstract void | [**fillArc**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fillArc%28int,%20int,%20int,%20int,%20int,%20int%29)(int x, int y, int width, int height, int startAngle, int arcAngle)  Fills a circular or elliptical arc covering the specified rectangle. |
| abstract void | [**fillOval**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fillOval%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Fills an oval bounded by the specified rectangle with the current color. |
| abstract void | [**fillPolygon**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fillPolygon%28int[],%20int[],%20int%29)(int[] xPoints, int[] yPoints, int nPoints)  Fills a closed polygon defined by arrays of *x* and *y* coordinates. |
| abstract void | [**fillRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fillRect%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Fills the specified rectangle. |
| abstract void | [**fillRoundRect**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#fillRoundRect%28int,%20int,%20int,%20int,%20int,%20int%29)(int x, int y, int width, int height, int arcWidth, int arcHeight)  Fills the specified rounded corner rectangle with the current color. |
| void | [**finalize**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#finalize%28%29)()  Disposes of this graphics context once it is no longer referenced. |
| abstract [Shape](https://docs.oracle.com/javase/7/docs/api/java/awt/Shape.html) | [**getClip**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getClip%28%29)()  Gets the current clipping area. |
| abstract [Rectangle](https://docs.oracle.com/javase/7/docs/api/java/awt/Rectangle.html) | [**getClipBounds**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getClipBounds%28%29)()  Returns the bounding rectangle of the current clipping area. |
| [Rectangle](https://docs.oracle.com/javase/7/docs/api/java/awt/Rectangle.html) | [**getClipBounds**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getClipBounds%28java.awt.Rectangle%29)([Rectangle](https://docs.oracle.com/javase/7/docs/api/java/awt/Rectangle.html) r)  Returns the bounding rectangle of the current clipping area. |
| abstract [Color](https://docs.oracle.com/javase/7/docs/api/java/awt/Color.html) | [**getColor**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getColor%28%29)()  Gets this graphics context's current color. |
| abstract [Font](https://docs.oracle.com/javase/7/docs/api/java/awt/Font.html) | [**getFont**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getFont%28%29)()  Gets the current font. |
| [FontMetrics](https://docs.oracle.com/javase/7/docs/api/java/awt/FontMetrics.html) | [**getFontMetrics**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getFontMetrics%28%29)()  Gets the font metrics of the current font. |
| abstract [FontMetrics](https://docs.oracle.com/javase/7/docs/api/java/awt/FontMetrics.html) | [**getFontMetrics**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#getFontMetrics%28java.awt.Font%29)([Font](https://docs.oracle.com/javase/7/docs/api/java/awt/Font.html) f)  Gets the font metrics for the specified font. |
| abstract void | [**setClip**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#setClip%28int,%20int,%20int,%20int%29)(int x, int y, int width, int height)  Sets the current clip to the rectangle specified by the given coordinates. |
| abstract void | [**setClip**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#setClip%28java.awt.Shape%29)([Shape](https://docs.oracle.com/javase/7/docs/api/java/awt/Shape.html) clip)  Sets the current clipping area to an arbitrary clip shape. |
| abstract void | [**setColor**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#setColor%28java.awt.Color%29)([Color](https://docs.oracle.com/javase/7/docs/api/java/awt/Color.html) c)  Sets this graphics context's current color to the specified color. |
| abstract void | [**setFont**](https://docs.oracle.com/javase/7/docs/api/java/awt/Graphics.html#setFont%28java.awt.Font%29)([Font](https://docs.oracle.com/javase/7/docs/api/java/awt/Font.html) font)  Sets this graphics context's font to the specified font. |