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Co-ordinates MIDlet Example

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Co-ordinates MIDlet Example

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 In this example the **CoordinatesCanvas** class extends the **Canvas** class to draw the image and fill color as given below in the figure.

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In this example the **CoordinatesCanvas** class extends the **Canvas** class to draw the image and fill color as given below in the figure. The following methods is used to draw the image:

```
image = Image.createImage(100, 100);
Graphics g = image.getGraphics();
g.setColor(110,110,110);
g.fillArc(10, 10, 50, 50, 120, 120);
```

In the **paint(Graphics g)** function the following methods is used to color the image:

```
g.setColor(255,255,0);
g.fillRect(0, 0, getWidth(), getHeight());
g.translate(45, 45);
g.drawImage(image, 0, 0, Graphics.VCENTER | Graphics.HCENTER);
```

Simply the **commandAction** function is used to exit the current window and the application is as follows:

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Source Code of Coordinates.java

```
import javax.microedition.midlet.*;
import javax.microedition.lcdui.*;

public class Coordinates extends MIDlet{
    private Display display;
    private CoordinatesCanvas canvas;

    public Coordinates () {
        display = Display.getDisplay(this);
        canvas = new CoordinatesCanvas();
    }

    protected void startApp(){
        display.setCurrent( canvas );
    }

    protected void pauseApp(){ }

    protected void destroyApp( boolean unconditional ){
        notifyDestroyed();
    }

    class CoordinatesCanvas extends Canvas implements CommandListener{
        private Command exit;
        private Image image;

        public CoordinatesCanvas() {
```



```

exit = new Command("Exit", Command.EXIT, 1);
addCommand(exit);
setCommandListener(this);
try{
    image = Image.createImage(100, 100);
    Graphics g = image.getGraphics();
    g.setColor(110,110,110);
    g.fillArc(10, 10, 50, 50, 120, 120);
}catch (Exception error){
    Alert alert = new Alert("Failure", "Creating Image", null, null);
    alert.setTimeout(Alert.FOREVER);
    display.setCurrent(alert);
}

protected void paint(Graphics g){
    if (image != null){
        g.setColor(255,255,0);
        g.fillRect(0, 0, getWidth(), getHeight());
        g.translate(45, 45);
        g.drawImage(image, 0, 0, Graphics.VCENTER | Graphics.HCENTER);
    }
}

public void commandAction(Command command, Displayable display){
    String label = command.getLabel();
    if (label.equals("Exit")){
        destroyApp(true);
    }
}
}

```

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