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Immutable Image using Canvas Class

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This is the immutable image example which shows how to create the immutable image using canvas. In this example **ImageCanvas** class extends the **Canvas** class to create the immutable image.

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This is the immutable image example which shows how to create the

immutable image using canvas. In this example **ImageCanvas** class extends the **Canvas** class to create the immutable image. In the constructor of **ImageCanvas** class we are trying to create the image and create a exit class as below:

```
public ImageCanvas(ImmutableImage1 midlet){
    this.midlet = midlet;
    exit = new Command("Exit", Command.EXIT, 1);
    addCommand(exit);
    setCommandListener(this);
    try{
        image = Image.createImage("/logo.png");
    }catch (java.io.IOException e){
        System.err.println(e);
    }
}
```

And we are trying to paint the image in the **paint()** function. The Application is as follows:

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Source Code of ImmutableImage1.java

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

public class ImmutableImage1 extends MIDlet{
    private Display display;
    private ImageCanvas canvas;

    public ImmutableImage1(){
        display = Display.getDisplay(this);
        canvas = new ImageCanvas(this);
    }

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

    protected void pauseApp(){ }

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

    public void exitMIDlet(){
        destroyApp(true);
    }
}

class ImageCanvas extends Canvas implements CommandListener{
```



```

private Command exit;
private ImmutableImage1 midlet;
private Image image = null;

public ImageCanvas(ImmutableImage1 midlet){
    this.midlet = midlet;
    exit = new Command("Exit", Command.EXIT, 1);
    addCommand(exit);
    setCommandListener(this);
    try{
        image = Image.createImage("/logo.png");
    }catch (java.io.IOException e){
        System.err.println(e);
    }
}

protected void paint(Graphics g){
    if(image != null){
        g.drawImage(image, 10, 10, Graphics.LEFT | Graphics.TOP);
    }
}

public void commandAction(Command c, Displayable d){
    String label = c.getLabel();
    if(label.equals("Exit")){
        midlet.exitMIDlet();
    }
}
}

```

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