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// PeepholeConverter.java - CONVERT PNG TO PEEPHOLE 24-BIT IMAGE
//
// MAINTENANCE HISTORY
// DATE          PROGRAMMER AND DETAIL
// 04-10-17     SHT      Original
//
//-----
```

```
import java.awt.image.BufferedImage;
import java.io.File;
import java.io.FileOutputStream;
import java.io.IOException;
import javax.imageio.ImageIO;

public
class PeepholeConverter
{
    public static void
    main(
        String[] args)    // Command line argument
    throws IOException
    {
        int x;            // X coordinate
        int y;            // Y Coordinate
        int width;        // Image width
        int height;       // Image height
        int color;        // Color value

        if (args.length != 2)
        {
            System.err.println("Usage: java PeepholeConverter <src> <dst>");
            System.exit(1);
        }

        FileOutputStream dst = new FileOutputStream(new File(args[1]));

        BufferedImage src = ImageIO.read(new File(args[0]));

        width = src.getWidth();
        height = src.getHeight();

        // Construct file header

        dst.write('P');
        dst.write('H');
        dst.write('2');
        dst.write('4');

        dst.write((width >> 24) & 0xFF);
        dst.write((width >> 16) & 0xFF);
        dst.write((width >> 8) & 0xFF);
        dst.write(width & 0xFF);

        dst.write((height >> 24) & 0xFF);
```

```
dst.write((height >> 16) & 0xFF);
dst.write((height >> 8) & 0xFF);
dst.write(height & 0xFF);

// Copy image data to Peephole format

for (y = height - 1; y >= 0; y--)
{
    for (x = 0; x < width; x++)
    {
        color = src.getRGB(x, y);

        dst.write((color >> 16) & 0xFF);    // Red component
        dst.write((color >> 8) & 0xFF);    // Green component
        dst.write(color & 0xFF);          // Blue component
    }
}

dst.flush();
dst.close();
}
```