package hi;

import java.awt.\*;

import java.awt.image.BufferedImage;

import java.io.File;

import java.io.IOException;

import javax.imageio.ImageIO;

public class ImageConverter {

public static void main(String[] args)

// Code to Read the image from properties

BufferedImage originalImage = loadImage("C:\\Users\\6670441\\Downloads\\Rain\_Tree.jpg");

if (originalImage == null) {

System.out.println("Failed to load the image.");

return;

}

// Convert the image to gray scale using temp file

BufferedImage grayscaleImage = convertToGrayscale(originalImage);

// Save the grayscale image as a temporary file

File tempFile = saveAsTempFile(grayscaleImage);

if (tempFile == null) {

System.out.println("Failed to save the grayscale image.");

return;

}

// Open the grayscale image using the default image viewer

}

private static BufferedImage loadImage(String filePath) {

try {

return ImageIO.read(new File(filePath));

} catch (IOException e) {

e.printStackTrace();

}

return null;

}

//converting the image to gray scale

private static BufferedImage convertToGrayscale(BufferedImage image) {

BufferedImage grayscaleImage = new BufferedImage(

image.getWidth(), image.getHeight(), BufferedImage.TYPE\_BYTE\_GRAY);

Graphics g = grayscaleImage.getGraphics();

g.drawImage(image, 0, 0, null);

g.dispose();

return grayscaleImage;

}

private static File saveAsTempFile(BufferedImage image) {

try {

File tempFile = File.createTempFile("C:\\Users\\6670441\\Downloads\\GS.jpg", ".jpg");

ImageIO.write(image, "jpg", tempFile);

return tempFile;

} catch (IOException e) {

e.printStackTrace();

}

return null;

}

}