

PICTURE METHODS

Consider the following code:

```
public void grayscale(){
    Pixel pixel = null;
    int intensity = 0;
    Pixel[] pixels = this.getPixels();

    for (int i = 0; i < pixels.length; i++){
        pixel = pixels[i];
        intensity = (int) ((pixel.getRed() + pixel.getGreen() +
            pixel.getBlue()) / 3);
        pixel.setColor(new Color(intensity,intensity,intensity));
    }
}
```

Write a `Picture` class method called `public static int countThatColor(Picture picture, Color color, int range)` that counts all the colors in an inputted picture that fall within a range of the inputted color. Also write a main method that will test your `countThatColor` method.

```
public static int countThatColor(Picture picture, Color color, int range)
```