

LAB 5

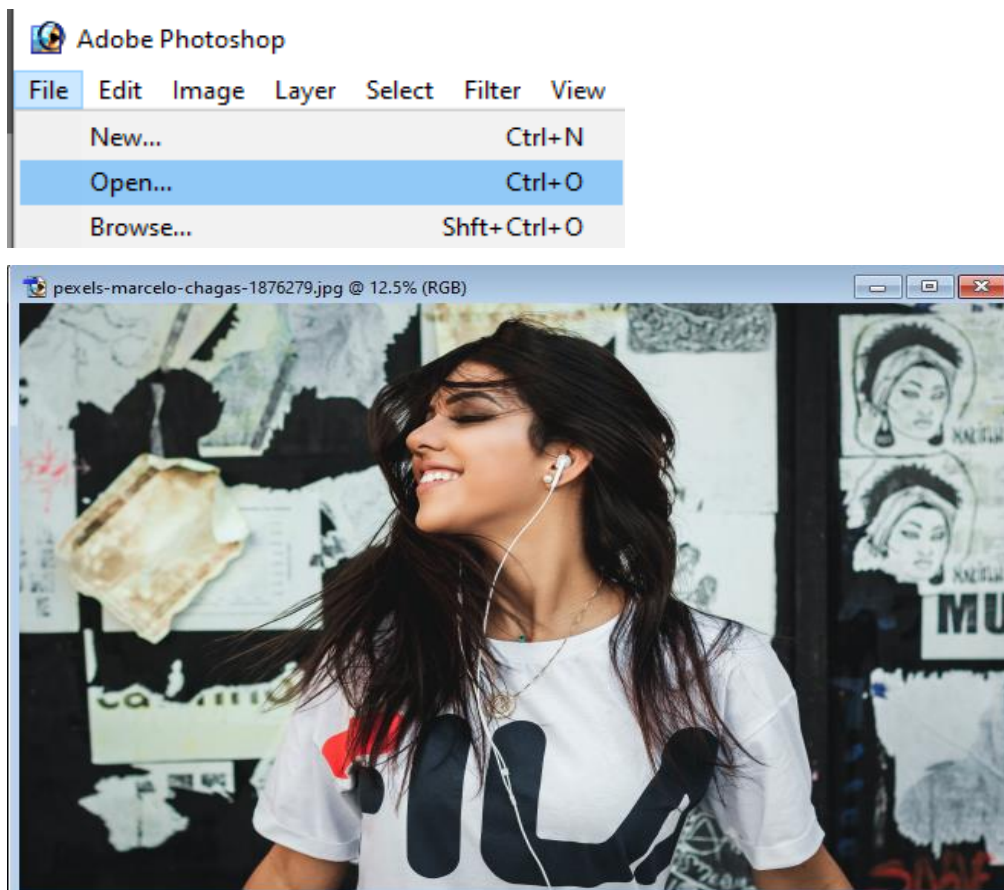
TITLE: - ILLUSTRATE THE DITHERING TECHNIQUE USING ADOBE PHOTOSHOP

CONCEPT

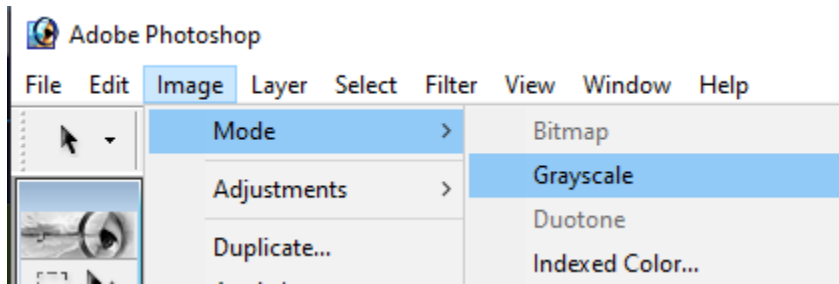
Dithering is a technique used in digital image processing to reduce color banding and create the illusion of greater range of colors than is actually available. In Adobe Photoshop, dithering is used when converting images with a high number of colors to images with a lower number of colors, such as when saving an image in a file format that only supports a limited number of colors, like GIF. Dithering works by randomly placing pixels of different colors in a pattern to create the appearance of a new color. Photoshop offers several dithering options that can be applied during color reduction, including diffusion, pattern, and noise. Dithering can improve the appearance of images when converting to a lower color depth, but it can also create a speckled or grainy appearance in some cases.

PROCEDURE

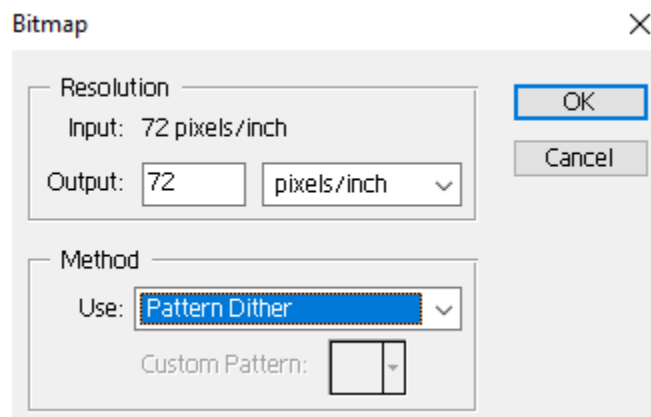
Step 1: Go to File menu then click on Open option and bring an image from your computer.



Step 2: Go to Image menu then go to mode option and click on grayscale.



Step 3: Go to Image menu then go to mode option and click on bitmap. Now adjust the setting of bitmap by changing the Use in Method to the Pattern Dither.



OUTPUT



CONCLUSION

In conclusion, we can say that we can illustrate technique using Adobe Photoshop.