1. **Conversion of color image into gray-scale image.**

**Background:**

Grayscale images are digital images that have only shades of gray and no color. A grayscale image is created by converting a color image to black and white or by using a grayscale filter. Grayscale images are a kind of black-and-white or gray monochrome, are composed exclusively of shades of gray. The contrast ranges from black at the weakest intensity to white at the strongest.

**Language:** Python

**Source Code:**