**Programming Tasks**

Use any programming language to implement the following image processing operations:

1. **Grayscale Conversion**
   * Convert a color image (RGB) to grayscale with any method.
2. **Image Negative**
   * Generate the negative of an image by applying the transformation: new\_pixel = 255 - old\_pixel.
3. **Brightness Adjustment**
   * Modify the brightness of an image by adding or subtracting a constant from each pixel value.
4. **Black-and-White Conversion (Thresholding)**
   * Convert an image to **black and white** by applying a threshold (e.g., if pixel > 128 → white, else black).
5. **Image Resizing**
   * Implement image scaling using **nearest neighbor interpolation** or any other suitable method.