The following elements can be found in this folder/directory.

1. Python source file(color\_quantization.py).
2. Image files - image1.jpg, image2.jpg, image3.jpg.
3. Directories/folders - all\_output, quantizedImages.
4. README file.

More information about these files can be found in the README file. Also please refer to the README file for build instructions, input, output details etc.

Result analysis:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Image | Original file size | Value of K used | Image quality | Image size |
| Image 1 | 356 kb | 5 | Somewhat blurry | 319 kb |
| 50 | Somewhat close to original | 322 kb |
| 1000 | Close to original | 306 kb |
| Image 2 | 537 kb | 5 | Somewhat blurry | 286 kb |
| 50 | Somewhat close to original | 286 kb |
| 1000 | Close to original | 283 kb |
| Image 3 | 599 kb | 5 | Somewhat blurry | 389 kb |
| 50 | Somewhat close to original | 414 kb |
| 1000 | Close to original | 410 kb |