

The Part III-1 is implemented on python. The packages which used in this part include **numpy, matplotlib, imageio and sklearn.**

The results are as follows:

Image	Original File Size	Value of k used	Image Quality	Image Size
Image 1	365K	5	Appears Blurred	139 K
Image 3	614 K	10	Looks close to original	315 K
Image 5	287 K	11	Looks close to original	143 K