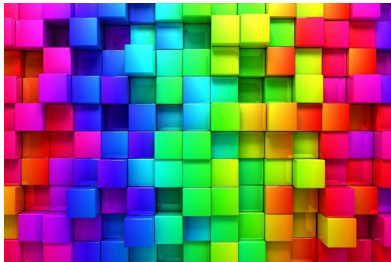
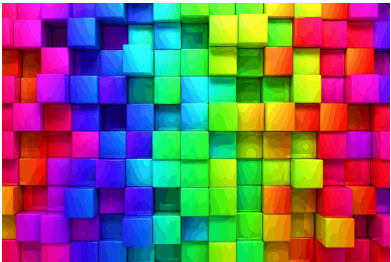



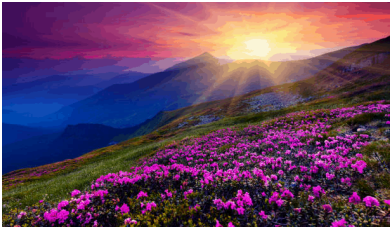




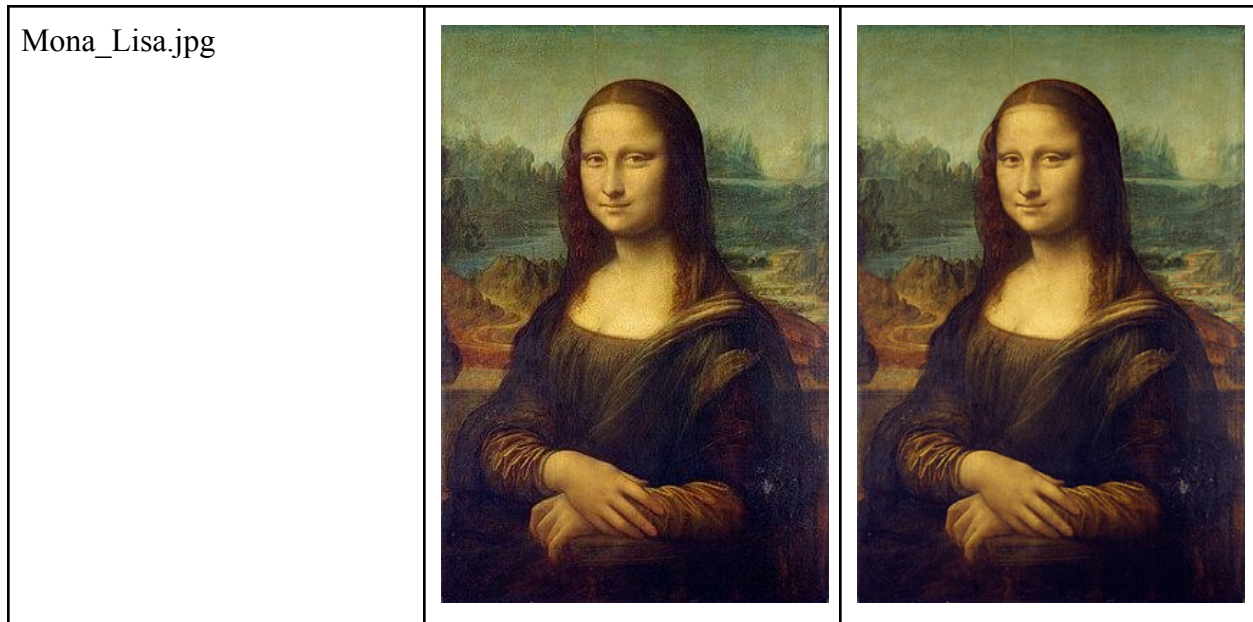
**CS 214 Extra Credit 2**  
April 2, 2025

**Project Members:**

Jericho Mascarinas ( jjm606 )  
Amaan Dar ( asd173 )  
Jenna Moon ( jkm182 )

**Images Used:**

Image Name	Original	C Kernel 8-bit Colormap
Color_Patterns.jpg		
32Colors.png		
Landscape.jpg		
Paris.jpg		



### Computer Specifications:

Processor: 1.7 GHz Dual-Core Intel Core i7

Memory: 8 GB 1600 MHz DDR3

Operating System: macOS Big Sur Version 11.7.10

### Language Performance:

Image Name	Width	Height	Pixels	Seed	Iterations	Python Time (sec)	C Kernel Time (sec)
Color_Patterns.jpg	713	475	338675	214	3	25.113504	0.611539
32Colors.png	963	964	928332	214	3	7.949550	0.308389
Landscape.jpg	612	354	216648	214	3	14.466864	0.374459
Paris.jpg	480	360	172800	214	3	12.287397	0.284808
Mona_Lisa.jpg	270	402	108540	214	3	7.037450	0.207838

### Average Time Per Pixel (usec):

Python: 13.37

C Kernel: 0.36