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Assignment Lesson13

1) Give an example of image darkness by drawing the intensity table of each pixel?

You can choose any values of modify value.

- In this example, let's consider a small 4x4 pixel image, where each pixel has an intensity value ranging from 0 (completely dark/black) to 255 (completely bright/white).

❖ Original Image

Pixel 1	Pixel 2	Pixel 3	Pixel 4
20	40	100	150
30	60	80	120
10	90	70	200
180	50	110	220

❖ Modified Image (Darker):

Pixel Number	Intensity Value
Pixel 1	20
Pixel 2	40
Pixel 3	100
Pixel 4	150
.....
Pixel 16	220

2) Give an example of image brightness by drawing the intensity table of each pixel?

You can choose any values of modify value.

I'll represent a 5x5 pixel image with intensity values ranging from 0 (completely dark/black) to 255 (completely bright/white).

❖ Original Image

Pixel 1	Pixel 2	Pixel 3	Pixel 4	Pixel 5
30	60	120	180	210
40	80	130	200	240
50	90	140	220	250
70	110	160	230	255
100	150	190	240	155

❖ Modified Image (Darker):

Pixel Number	Intensity Value
Pixel 1	20
Pixel 2	60
Pixel 3	120
Pixel 4	180
.....
Pixel 5	255