**Name: VEN THON**

**ID: e20191250**

**Group: I5-GIC-C**

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 | 1202 |
| 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 |

1. 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 |