```
ENTER THE NUMBER OF PIXELS 156

ENTER THE INTENSITY VALUES BETWEEN THE RANGE 0 TO 255
5 7 5 4 7 2 3 7 2 6 3 7
6 6 6 6 6 6 6 6 6 6 6 3
0 0 0 6 3 5 2 6 3 5 5 1
1 2 7 3 2 3 0 0 0 0 0 2
5 5 5 5 5 5 5 5 5 5 5 5
3 3 3 3 3 3 3 0 0 0 0 0
2 2 2 2 2 2 2 2 2 7 7 7
7 7 7 7 7 7 7 7 0 0 0 0
0 0 5 0 0 0 5 0 0 0 5 2
4 3 5 1 1 1 1 1 1 1 1 1
4 5 1 6 5 3 4 2 1 5 4 0
5 0 0 2 6 3 5 2 6 3 5 2
6 3 5 4 1 2 0 0 5 1 2 0

THE MAXIMUM VALUE IS : 7.000000
```

GRAPH BEFORE HISTOGRAM EQUALISATION
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INTENSITY	FREQUENCY	HISTOGRAM
0	31	*******************************
1	15	***************
2	22	**********************
3	19	*******************
4	6	******
5	29	*****************************
6	18	******************

```
6                18               ******************

7                16               ***************
```

THE TOTAL NUMBER OF PIXELS =156.000000

                        HIST0GRAM EQUALIZATION TABLE
           ~~~~~~

PIXEL VALUE	FREQUENCY	CUMULATIVE FREQUENCY	NEW PIXEL VALUE	ROUNDED VALUE	NEW FREQUENCY
0	31	31	1.391026	1	31
1	15	46	2.064103	2	15
2	22	68	3.051282	3	22
3	19	87	3.903846	4	0
4	6	93	4.173077	4	25
5	29	122	5.474359	5	29
6	18	140	6.282051	6	18
7	16	156	7.000000	7	16

                        GRAPH AFTER HIST0GRAM EQUALIZATION
           ~~~~~~

```
INTENSITY           FREQUENCY            HISTOGRAM

    0                  31            ******************************

    1                  15            ***************

    2                  22            *********************

    3                  0

    4                  25            ************************

    5                  29            ****************************
```

```
    6                     18                        ******************

    7                     16                        ****************

Process returned 8 (0x8)   execution time : 59.790 s
Press any key to continue.
```