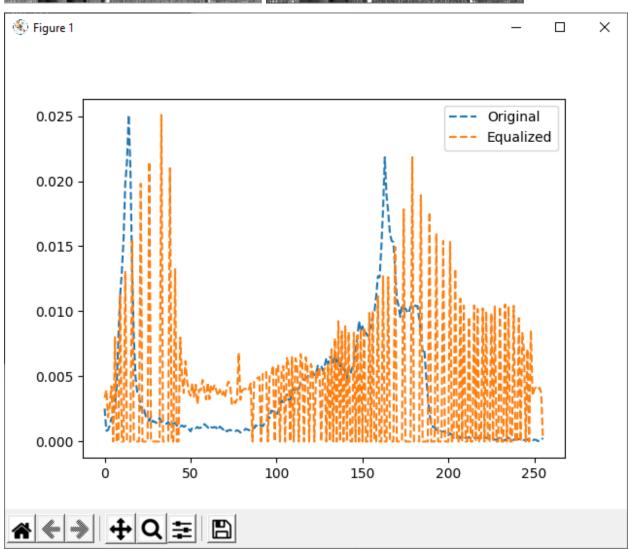
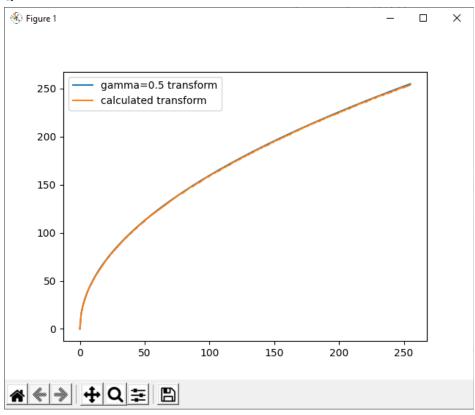
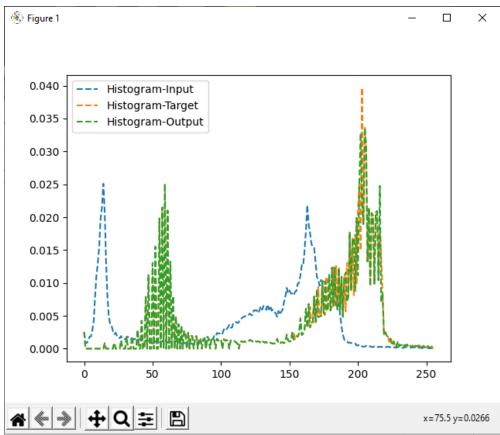
Q3











DIP ASSIGNMENT 2





```
Q5
Input (3, 3)
[[0 0 0]
[0 1 0]
[0 0 0]]

Padded-Input (7, 7)
[[0 0 0 0 0 0 0]
[0 0 0 0 0 0]
```

×

DIP ASSIGNMENT 2

```
[0 0 0 0 0 0 0]
 [0 0 0 1 0 0 0]
 [0 0 0 0 0 0]
 [0 0 0 0 0 0]
 [0 0 0 0 0 0 0]]
Input-Filter (3, 3)
[[1 2 3]
[4 5 6]
[7 8 9]]
Rotated-Filter (3, 3)
[[9 8 7]
[6 5 4]
[3 2 1]]
Convolution-Output (5, 5)
[[0. 0. 0. 0. 0.]
[0. 1. 2. 3. 0.]
 [0. 4. 5. 6. 0.]
 [0. 7. 8. 9. 0.]
 [0. 0. 0. 0. 0.]]
```