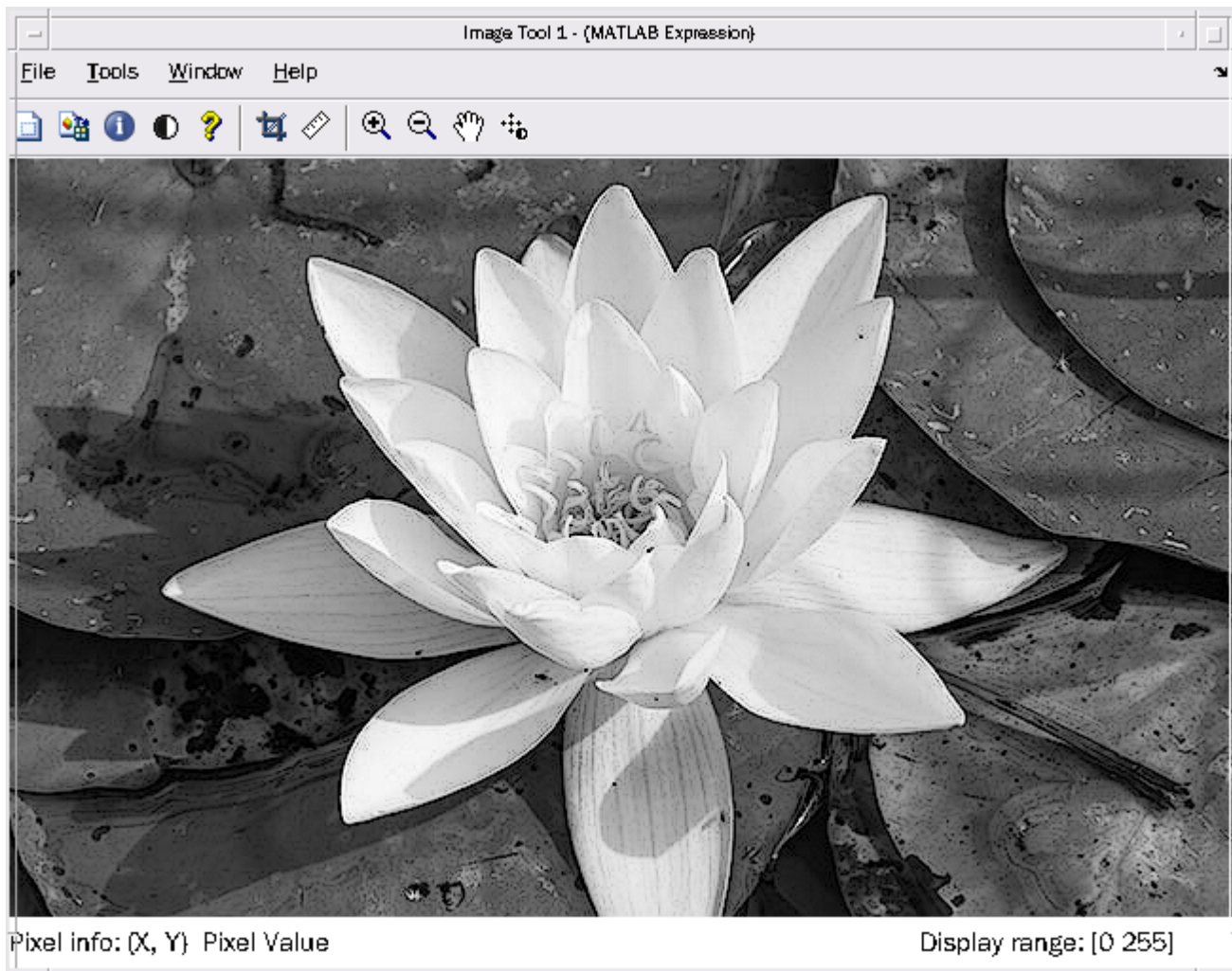
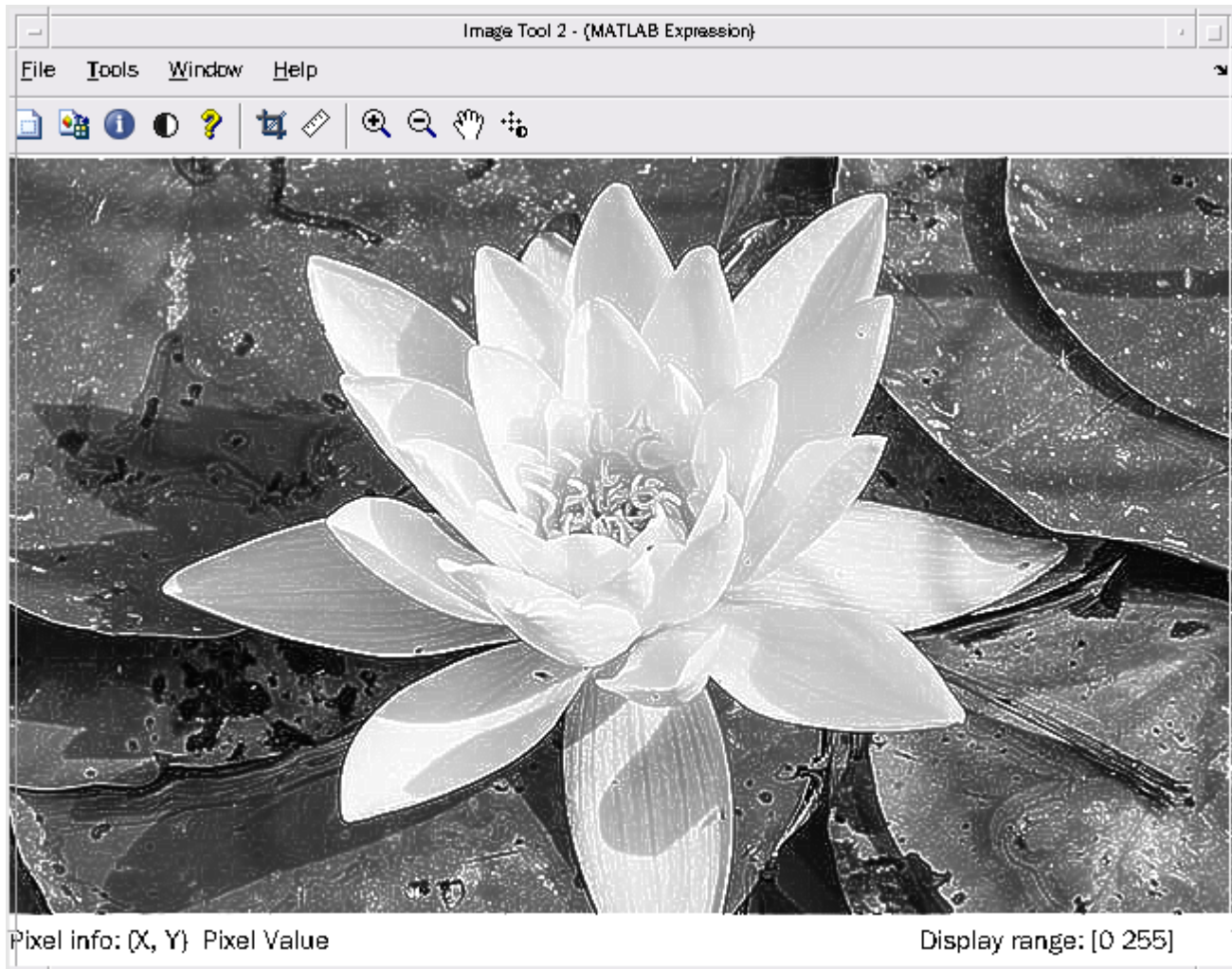


```
% Edge detection using Laplacian Filter.  
k=imread("flower.jpg");  
k1=rgb2gray(k);  
imshow(k1)
```



```
a= imread("flower.jpg");  
Lap=[0 1 0; 1 -4 1; 0 1 0];  
a=rgb2gray(a);  
a1=conv2(a,Lap,'same');  
a2=uint8(a1);  
imtool(abs(a-a2),[])  
lap=[-1 -1 -1; -1 8 -1; -1 -1 -1];  
a3=conv2(a,lap,'same');  
a4=uint8(a3);  
imtool(abs(a+a4),[])
```





```
% Unsharp masking
```

```
b = imsharpen(a,'Radius',2,'Amount',1);  
figure, imshow(b)  
title('Sharpened Image');
```

Sharpened Image

