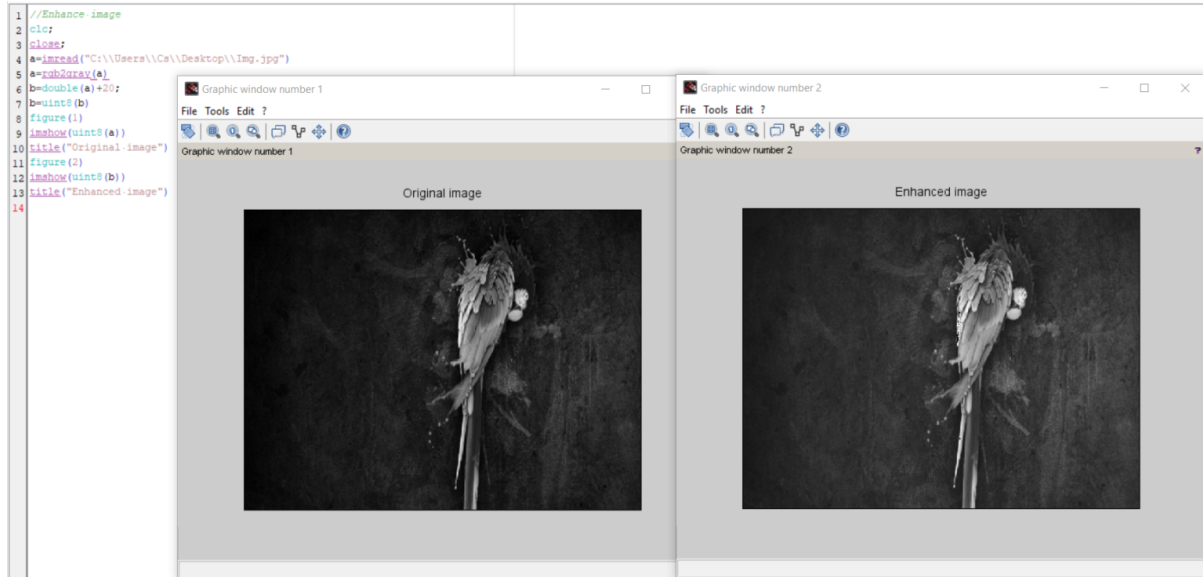**SEM-6-PRACTICALS-DIGITAL IMAGE PROCESSING**

Perform threshold operation, perform gray level slicing without background.

A.Perform threshold operation.

code:-

```
//Enhance image
clc;
close;
a=imread("C:\\Users\\Cs\\Desktop\\Img.jpg")
a=rgb2gray(a)
b=double(a)+20;
b=uint8(b)
figure(1)
imshow(uint8(a))
title("Original image")
figure(2)
imshow(uint8(b))
title("Enhanced image")
```
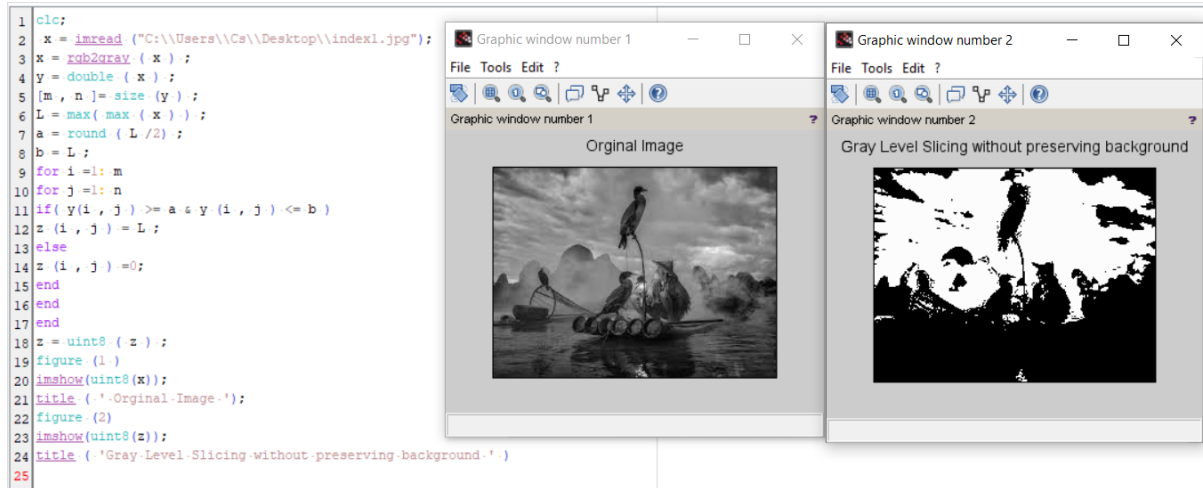
Output:-

B. Perform grey level slicing without background.

Code:-

```
clc;
 x = imread ("C:\Users\Cs\Pictures\Saved Pictures\index1.jpg") ;
x = rgb2gray ( x ) ;
y = double ( x ) ;
[m , n ]= size (y ) ;
L = max( max ( x ) ) ;
a = round ( L /2) ;
b = L ;
for i =1: m
for j =1: n
if( y(i , j ) >= a & y (i , j ) <= b )
z (i , j ) = L ;
else
z (i , j ) =0;
end
end
end
z = uint8 ( z ) ;
figure (1 )
imshow(uint8(x));
title ( ' Orginal Image ');
figure (2)
imshow(uint8(z));
title ( 'Gray Level Slicing without preserving background ' )
```

Output:-

Practical 1

Practical 2

Practical 3

Practical 4

Practical 5

Practical 6

Practical 7

Practical 8

Practical 9

Practical 10

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Great Quotes

-> "The best way to predict the future is to create it."

-> To err is human, but to really foul things up you need a computer.

-> "Imagination is more important than knowledge."

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