



**ABASYN UNIVERSITY
PESHAWAR
DEPARTMENT OF COMPUTER
SCIENCE**

Quiz 3

Subject:- Digital image processing

Class /section:- 8th semester

Submitted to: Sir Usman

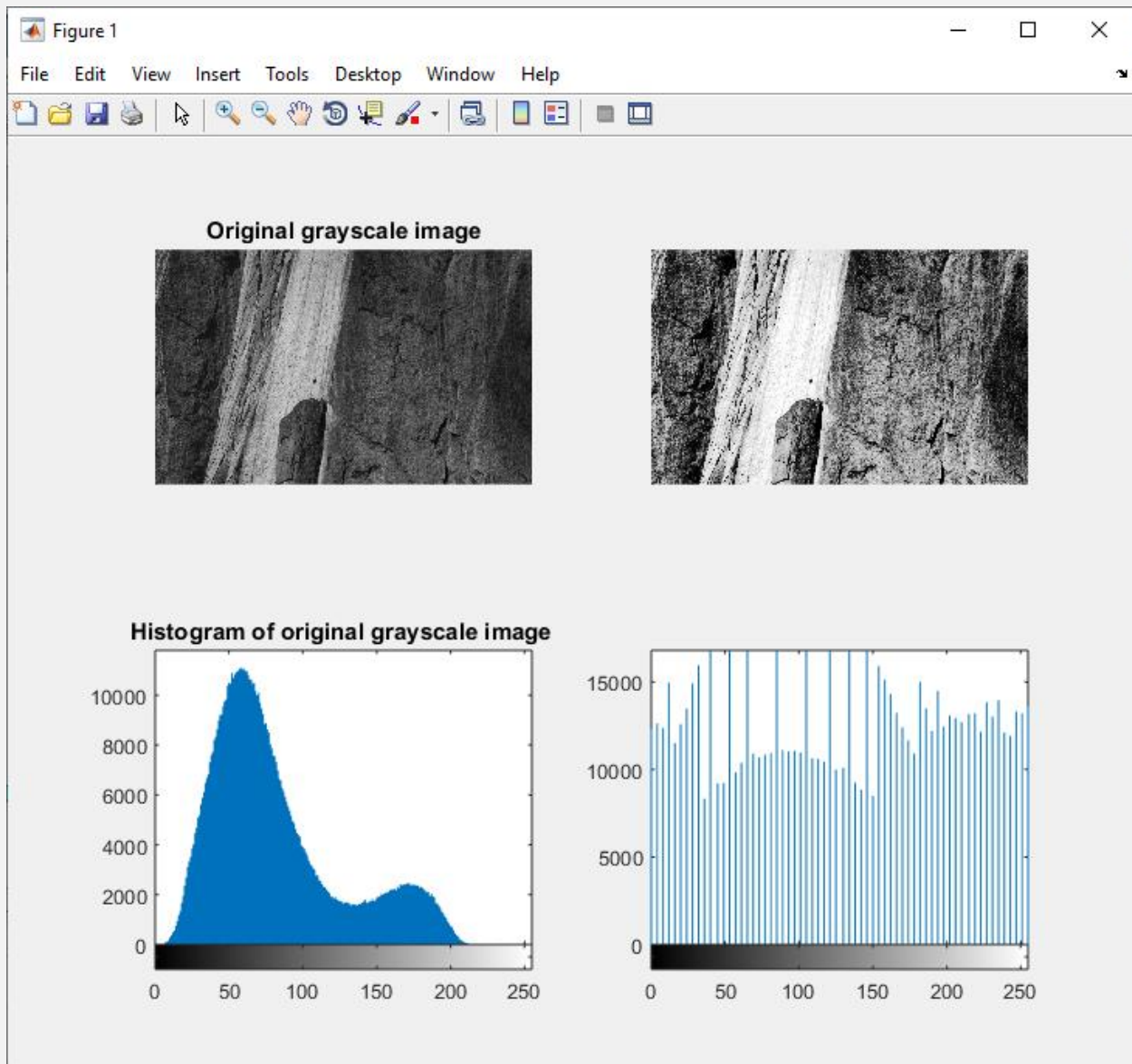
Submitted by:-Asif khan 15848

Task 1



Result

```
Asif task 1.m  x  +
1 -   clc
2 -   clear all
3 -   close all
4 -   a=imread('mountain.png');
5 -   b=rgb2gray(a);
6 -   subplot(2,2,1);
7 -   imshow(b);
8 -   title('Original grayscale image');
9 -   subplot(2,2,3);
10 -  imhist(b);
11 -  title('Histogram of original grayscale image ');
12 -  j=histeq(b);
13 -  subplot(2,2,2);
14 -  imshow(j);
15 -  title='image after histogram equalizatin ';
16 -  subplot(2,2,4);
17 -  imhist(j);
18 -  title('Histogram of image after histogram equalization');
```



Task 2

```
asif task 2.m x +
1 - L=256;
2 - g = zeros(1,L);
3
4 - breakpoints = [0,50,100,150,200,L-1];
5 - values = [0,25,75,150,200,L-1];
6
7 - for l = 0:L-1
8 -     if l < breakpoints(1)
9 -         g(l+1) = values (1);
10 -     elseif l >= values(end);
11 -         g(l+1) = values(end);
12 -     else
13 -         for i = 1:length(breakpoints)-1
14 -             if l >=breakpoints(i)&& l < breakpionts(i+1)
15 -                 g(l+1) = values(i);
16 -                 break;
17 -             end
18 -         end
19 -     end
20 - end
21
```

