queryimg = imread('C:\Users\Kanishk\VITSEM5\CBIR\lab\lab3\cbir img\1.jpg');

I = rgb2gray(queryimg);

h = imhist(I); % this will have default bins 256

E\_distance=[];

srcFiles = dir('C:\Users\Kanishk\VITSEM5\CBIR\lab\lab3\cbir img\\*.jpg');

srcFiles;

for i=2:10

filename = strcat('C:\Users\Kanishk\VITSEM5\CBIR\lab\lab3\cbir img\',srcFiles(i).name);

database = imread(filename);

J = rgb2gray(database);

h1 = imhist(J); % this will have default bins 256

E\_distance(i) = sqrt(sum((h-h1).^2));

end

clear min;

img = [];

E\_distance(1)=[];

E\_distance;

ascen=sort(E\_distance);

ascen;

%mini = E\_distance(2);

[m,n] = size(E\_distance);

for k=1:n

mini=min(E\_distance);

img(k)=find(E\_distance==ascen(k))+1;

E\_distance;

end

img

for i=1:9

name = strcat(num2str(img(i)),'.jpg');

filename = strcat('C:\Users\Kanishk\VITSEM5\CBIR\lab\lab3\cbir img\',name);

result = imread(filename);

figure;

image(result);

end

**Output:**

Euclidean distance of images

E\_distance =

1.0e+03 \*

4.9791 5.3942 7.5316 6.6784 7.4699 5.7788 6.6248 8.1488 7.2554

Euclidean distance in sorted order

ascen =

1.0e+03 \*

4.9791 5.3942 5.7788 6.6248 6.6784 7.2554 7.4699 7.5316 8.1488

file name :

image\_file\_name =

2.jpg

image\_file\_name =

3.jpg

image\_file\_name =

7.jpg

image\_file\_name =

8.jpg

image\_file\_name =

5.jpg

image\_file\_name =

10.jpg

image\_file\_name =

6.jpg

image\_file\_name =

4.jpg

image\_file\_name =

9.jpg

>>