tic

clc

clear all

for i=0:24

img = strcat('C:\Users\PUTUL SIDDHARTH\Desktop\images/',num2str(i),'.jpg');

if i==0

% Loading query image

query\_image = imread(img);

% Extracting colour planes of query image

[row\_q,col\_q]=size(query\_image);

else

I=imread(img);

[row,col]=size(I);

dist = asinh(sum(abs(row-row\_q)+abs(col-col\_q)));

data = [i,dist];

dlmwrite('C:\Users\PUTUL SIDDHARTH\Desktop\labt.csv',data,'-append')

end

end

file\_data = readtable('C:\Users\PUTUL SIDDHARTH\Desktop\labt.csv');

sorted = sortrows(file\_data,2);

output = table(sorted(1:6,1),sorted(1:6,2));

output.Properties.VariableNames = {'ImageName','Distance'};

subplot(3,3,2)

img = imread('C:\Users\PUTUL SIDDHARTH\Desktop\images/0.jpg');

imshow(img)

for k=1:6

img=strcat('C:\Users\PUTUL SIDDHARTH\Desktop\images/',num2str(output(k,1).ImageName.Var1),'.jpg');

subplot(3,3,k+3)

I=imread(img);

imshow(I)

end

output

tp=2;

fn=4;

fp=4;

tn=14;

precision=tp/(tp+fp);

recall=tp/(tp+fn);

fprintf("Precision %f\n:-",precision);

fprintf("Recall %f\n:-",recall);

toc