	D .
Expt. No. 2.9	Date
Expt. No. 29	Page No. 46
Write a program for image	processing.
	'
a) Program: - clear all; ling = linkead ('dese linshow (ling); X = linkesize (ling, [250 linshow (x);	,
img = imread/'dese	stipg'); / load imas
(mg); (mg) img);	/ chow image
025], pmi)sxisarmi = X	, 250]); / Lesize ima
inshow(x);	
X1= îmresize (îmage, 1 îmshow(XI);	12); / hesize
im chon (x1);	
iminfolidesext.jpg);	Y. info. about image
iminfo ('desert.jpg'); g = rgb2gray(x); imshow(g);	Y. convert color to go
inshop(g);	U
figure ();	1/2 hold window
imshow(x);	
figure	
figure imshow(g);	
m= rand(250, 950); m= rand(250, 950); m= m+ 100; n-m-2 uin+8(m)	% ereate îmage
m = m * 100;	
n-m-2 uin+8(m)	
imshow(m);	

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	Date
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	,
(6) Image Processing Histogram	14 2
Program: - ing = inread!'d	exexting 1):
ing = 8962 84 9 4 1	[mg];
Program: - img = imread ('d. img = rgb2 gray (figure imhist (img); figure eg = histeg (im ad = imadjust figure	(1/)
inhist (img):	
figure	
eg = fisteg (in	(8)
ad = limadiust	(lima);
figure Emplish(ad);	
infishad);	T, Promote Pro
figure	
figure îmshow(img); figure	
figure	
: (pp) (noh2mi)	
inchon (ad);	· · · · · · · · · · · · · · · · · · ·
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	走名()

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Expt. No	Page No4 48
Write a program for Denoising	۵
Program: - img = imread ('de m = rgb2gray (i X = imresize (m,) [2	esert-ipg');
m = rgb2gray (i	mg);
X = [mresize(m), C]	50,750]);
((a)(b)(b)(b)(a)(b)	
t= imnoïse(x, 'speckle', 0.	05);
(11)Show (1) ;	
h = Ones(I,I); $2 = imfilter(i,h);$	-
2 = imfilter(i, h);	
Emshow (z);	
h1 = fspecial ('unsharp'); 21 = imfilter (i, h1);	
21 = "infilter (i, h1);	
[mshow (121);	
h2 = fspecial ('average', 3) 22 = imfilter (i, h2); imshow (22);)
$\frac{22 - (mfittol(t, h2))}{(2 + h2)}$	
(mgnow (22))	
m ~ madrette [2 7 7 1 1	1 10 10
m = modfilt2(i,[3,3]); imshow(m);	% Median filler
(11/2 /010 (11))	
n = winnon 212, [3, 371.	of 10° 110 .
η = ω [ον ελ 2 ([] , [3 , 3]); [im show (n);	% Miener filter
1.731/0.0	
g=imgaussfilt(2):	% gaverian til box
g=imgaussfilt(i); imshow(g); Teac	% gauesian filter ther's Signature
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Drite a program for Linear Regression. Program: - X = [3, 8, 9, 13, 3, 6, 11, 21, 1, 16]; Y = [30, I7, 64, 72, 36, 43, 59, 90, 20, 83]; mean_x = mean(x); mean_y = mean(y);
Program: $- x = [3, 8, 9, 13, 3, 6, 11, 21, 1, 16];$ $y = [30, 53, 64, 32, 36, 43, 59, 90, 30, 83];$ $mean_x = mean(x);$ $mean_y = mean(x);$
Program: $- x = [3, 8, 9, 13, 3, 6, 11, 21, 1, 16];$ $y = [30, 53, 64, 32, 36, 43, 59, 90, 20, 83];$ $mean_x = mean(x);$ $mean_y = mean(y);$
$ \eta = [30, 57, 64, 72, 36, 43, 59, 90, 20, 83]; $ $ mean_x = mean(x); $ $ mean_y = mean(y); $
$ \eta = [30, 57, 64, 72, 36, 43, 59, 90, 20, 83]; $ $ mean_x = mean(x); $ $ mean_y = mean(y); $
$mean_X = mean(X);$ $mean_Y = mean(Y);$
mean-1 = mean(1);
mean-1 = mean(1);
5mut = 0;
sun2 = 0;
for i=1:10
70/2 (-1.10)
5 cmot = zmut + (x(i) - moon-x) x (x(i) - moon-x), 5; cond = zmut + (x(i) + zmot = zm
20m2=50m2+(3(8)-mon-x)1/2;
w1 = sum1 sum2;
00 = mean_y - n1 * mean_x;
fprint (14=%f+1/f* 7 /0', wo, w1);
(, , w1);
Output :- 7= 230208972+3.5374767
2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
1/2

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