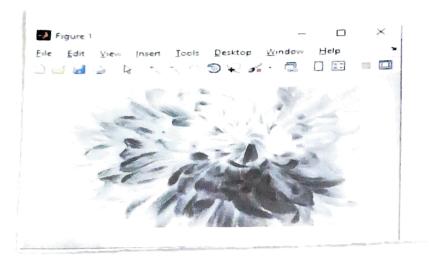
Output



	POORNIMA
	Experiment No:-8
	Objective: - Edge detection using Sobel 4 canny.
_	
	Program:
	I = imread ('img. jpeg');
_	gray = rgb2gray(I); figure,
	figure,
_	imshow(gray); b1 = lage (gray, 'Sobel');
_	62= edge(gray, 'canny');
_	figure,
_	imshowpaix (b], b2, montage'); title ('sobel filtering conny filtering');
_	title (Sobel fillering Conny feltering 1)
Action bearings	





	POORNIMA
	Experiment-9
	Object: WAP to implement complement of
	image
	image
	-) Gray image
	Program:
	% Colorful Image %
	ima = im sead ('abc, in i);
	img = imsead ('abc, jpg'); comp = imcomplement (img);
	imshow (comp)
	(msnow (Comp)
	ol C. 2 — -/
	% Gray Image %
	img = imread ('abe.jpg'); comp = imcomplement (img);
	comp = imcomplement (ing);
	PM = 2gb2gray (comp);
2	inshow (PM);



	POORNIMA
	Experiment-10
	Object:-WAP to implement add noise from image
	& semove noise from image
	by noise filter
	Program:-
	7 0 0 3 0 00 17 7
	a = imsead ('brigank, jpg');
	b = Agb 2 gray (a); noisying = imnoise (b, Salt & pepper'); figure, k = medfilt 2 (nobejing);
	mais wing = in saint (b' Salth he hoes);
1	k= medfilt2(nobejing);
1	figure,
+	imshow (noisying); title ('add noise');
+	title (add noise);
-	figure,
\parallel	imshow (k)
	title (' remove noise');
\parallel	

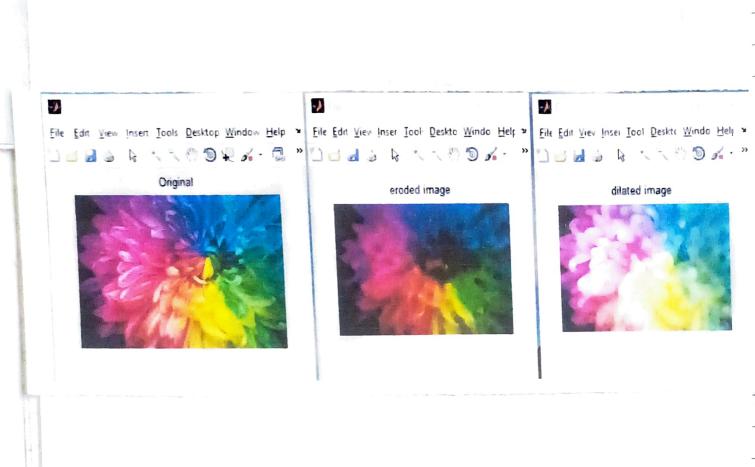
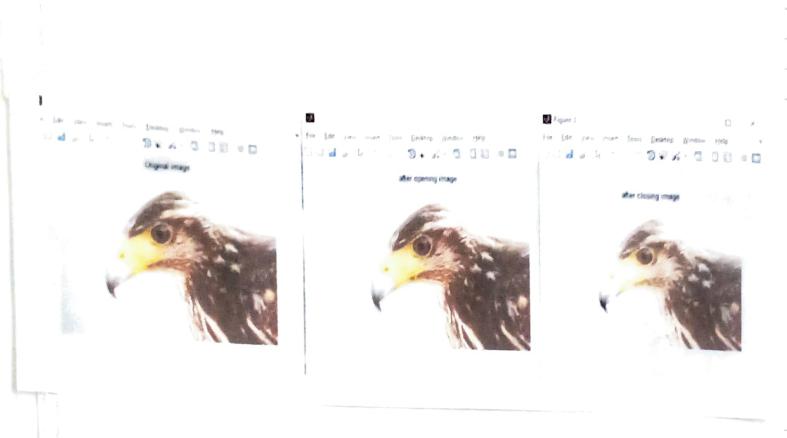


Fig.

	POORNIMA
	Experiment-11
	Object: WAP to implement erosion, dilation.
-	
	Program:
	H = imread (img. jpg);
	Sel = strel ('disk', 11);
	er = imerode (A, sel);
	dilate = imdilate (A, sel);
	% Displaying Clement
	figure,
	imshow(A);
	title ('Original image');
	figure,
	imshow (ex);
	title ('esoded image');
	figure
	imshow (delate);
	imshow (délate); title ('dilated image');



Tag Pag

	POORNIMA
1	
1	Experiment-12
1	
+	Object:- WAP to implement open & close
-	open Operation.
	Program:-
	11 = imread ('Image ing');
-	le= imread ('Image, jpg');
-	sel=strel('line', 7,7);
	io = imopen (u, sel);
	figure,
	imshow (u);
	title ('Original image');
	figure,
	imshow(io);
-	title ('after opening image'); sell = strel ('disk', 15);
-	sell = strel ('disk', 15);
	ie= imclose (u,sell);
	figure,
	imshow(ie);
-	title ('after clasing image');
-	state (agas carring " and)
1	

Asou