Parul® University	NAAC Q++
	Mat Lab

Pa. No.: 49

Q-1

Write a program for image enhancement.

-> img = immead C'peppens.png');
bright\_img = img + 50; % Increase brightness

imshowpain Cimq, bright-img, 'montage');
title C'Oniginal Image CLeft) and Brightened
Image CRight);

Output

Original Image (Left) and Brightened Image (Right)





Pg. No.: 50

Q-2 White a phogham for image compression

-> img = immed ('peppens.png');

Small\_img = immesize (img, 0.5);

big\_img = immesize (small\_img, 2);

imshowpain Cimy, big\_img, 'montage');
Litle C'Oniginal Image CLeft) and
Compressed-Reconstructed Image CRight)');

\* Output

Original Image (Left) and Compressed-Reconstructed Image (Right)



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Pg. No.:....5.1

Q-3 Write a program for color image processing

-> img = imnead C'peppens.png');

ned = img (:,:,1); gneen = img (:,:,2); blue = img (:,:,3);

Subplot (2,2,1); imshow Cimy); title C'Original');
Subplot (2,2,2); imshow Cimy); title C'Red Channel');
Subplot (2,2,3); imshow Cyreen); title C'Green Channel');
Subplot (2,2,4); imshow Chlue); title C'Blue Channel');

\* Othout.

## Original



Green Channel



## **Red Channel**



Blue Channel



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Pg. No.: 52 Date :.....

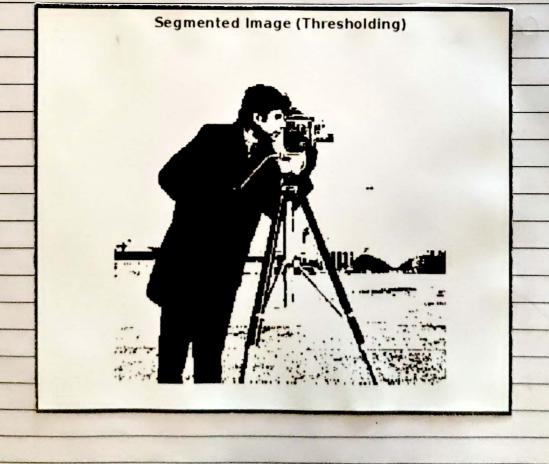
Write a program for image segmentation

-> img = imnead C'cumenaman.tif'); threshold = 100;

binary\_img = img > threshold;

imshow Chinany-img); title C'Segmented Image CThnesholding)');

\* Output



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Pg. No.:...53 Date :.....

Q-5	Write a program for image morphology
->	imy = immead C'text.pny');
	imy = immead C'text.pny');  Se = Strel C'square', 3);  dilated_imy = imdilate Cimy, se);
	inal cario Circu dilatal ina 'montage')

title C'Oniginal Image CLeft ) and CRight D'D;

Output

\*

Original Image (Left) and Dilated Image (Right)

The term watershed refers to a ridge that The term watershed refers to a ridge that ...