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%Fundamental Oeration Digital for Image Processing in MATLAB
%Date: 18/01/2026
clc;
clear all;
close all;
%Basic Operations that clear the command window and closes the figure
%window
B= randi([0,255],8,8);
display(B);
%to create a 8*8 matrix with random numbers ranging between 0 and 255
I=imread("anu.jpg");
figure
imshow(I);
%Uploading the basic input image
figure %for opening separate window for each image
Ig=rgb2gray(I); %keyword to convert image to grayscale
imshow(Ig);
%grayscale image shown
I_red=imread("anu.jpg");
I_red(:,:,2)=0; %making the pixels of green channel zero
I_red(:,:,3)=0; %making the pixels of blue channel zero
figure
imshow(I_red);
%the image is converted to red channel only
%to make it blue or green set the other two respective colour pixels to
%zero
Ib=Ig>100;
figure
imshow(Ib);
%the above logical expression sets the value of pixels above 100 to 1 and
%below that to 0 to convert the image to black and white.

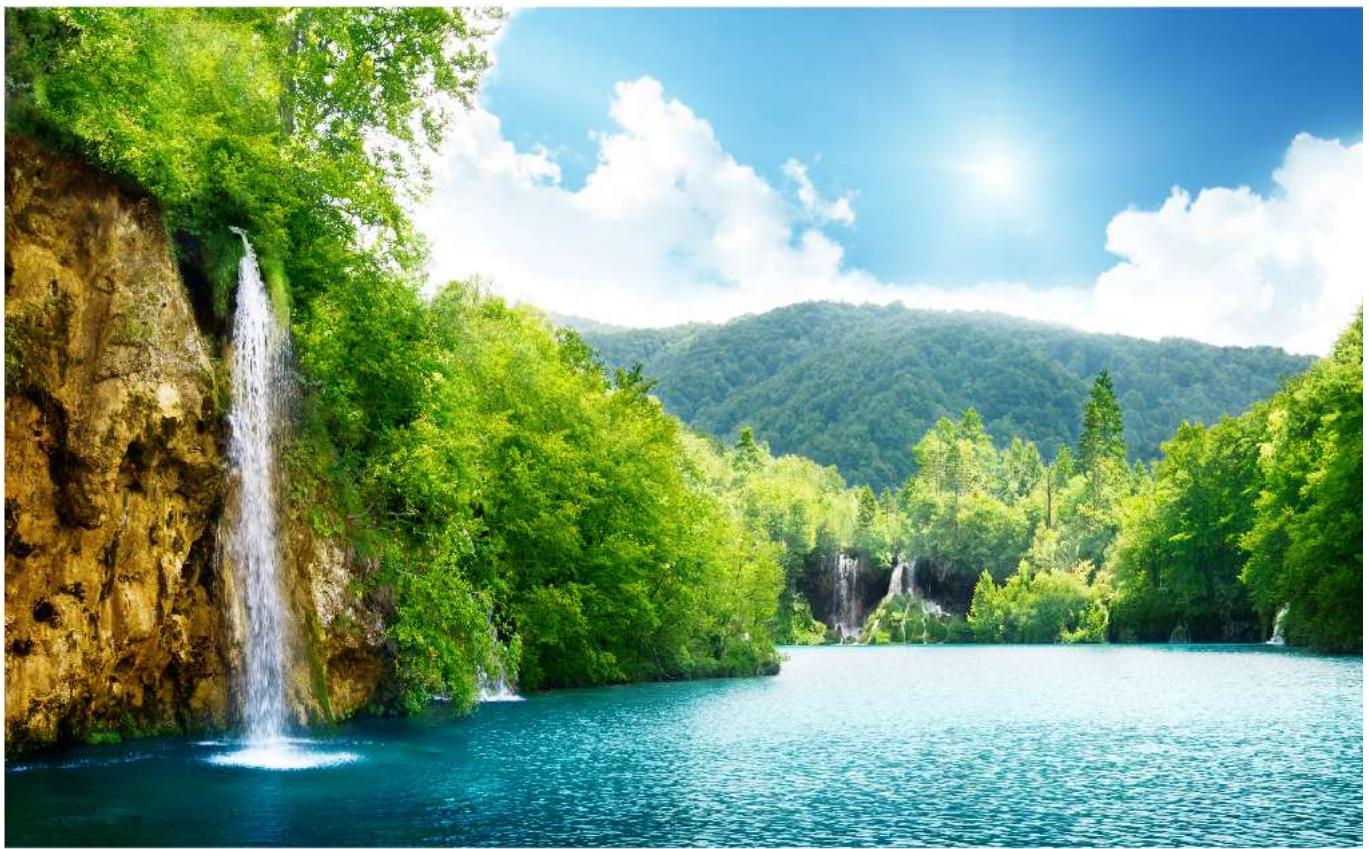
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B =

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124	164	159	57	231	154	21	60
111	96	150	43	250	182	67	117
114	207	53	58	112	56	205	246
78	136	77	111	28	30	7	139
130	89	120	79	66	75	237	133
130	240	59	236	104	81	186	59
209	224	216	110	152	108	125	125
203	140	49	47	67	130	148	159







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