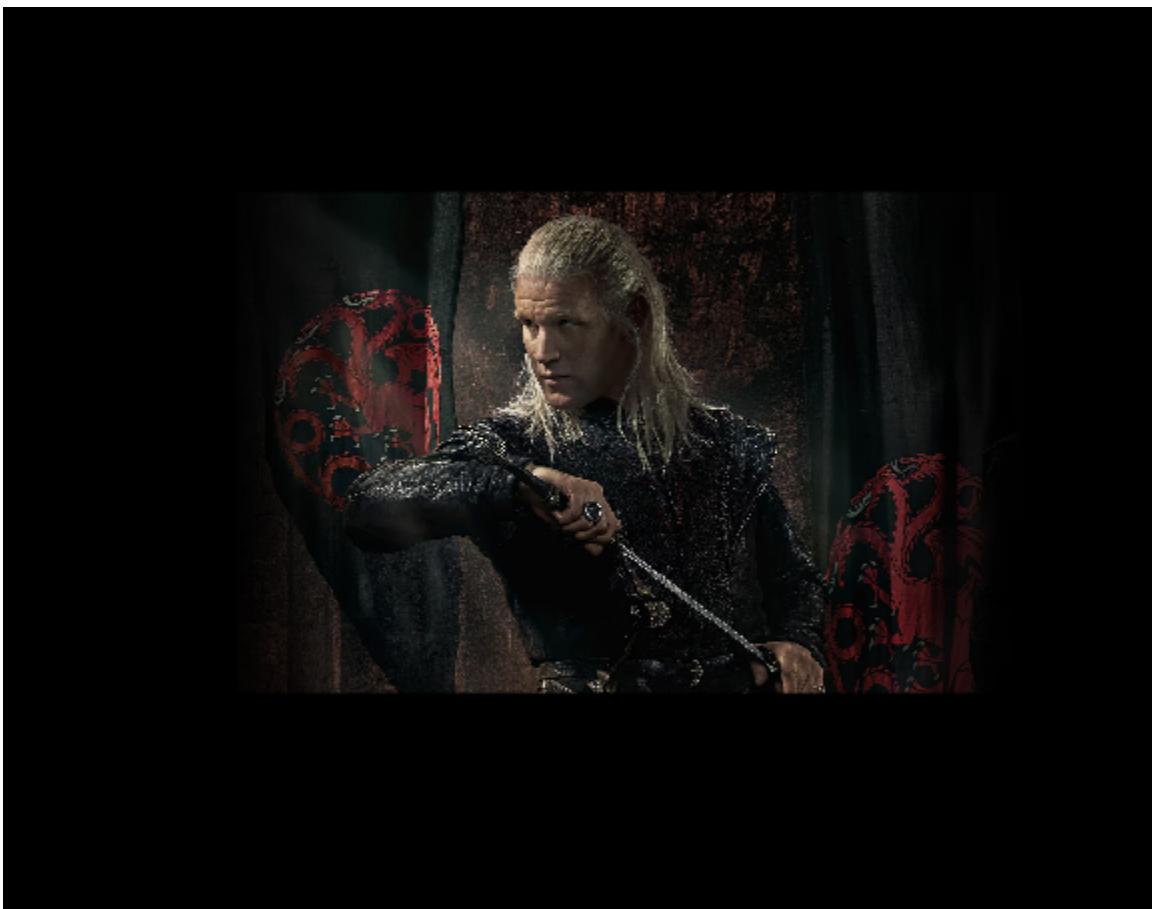
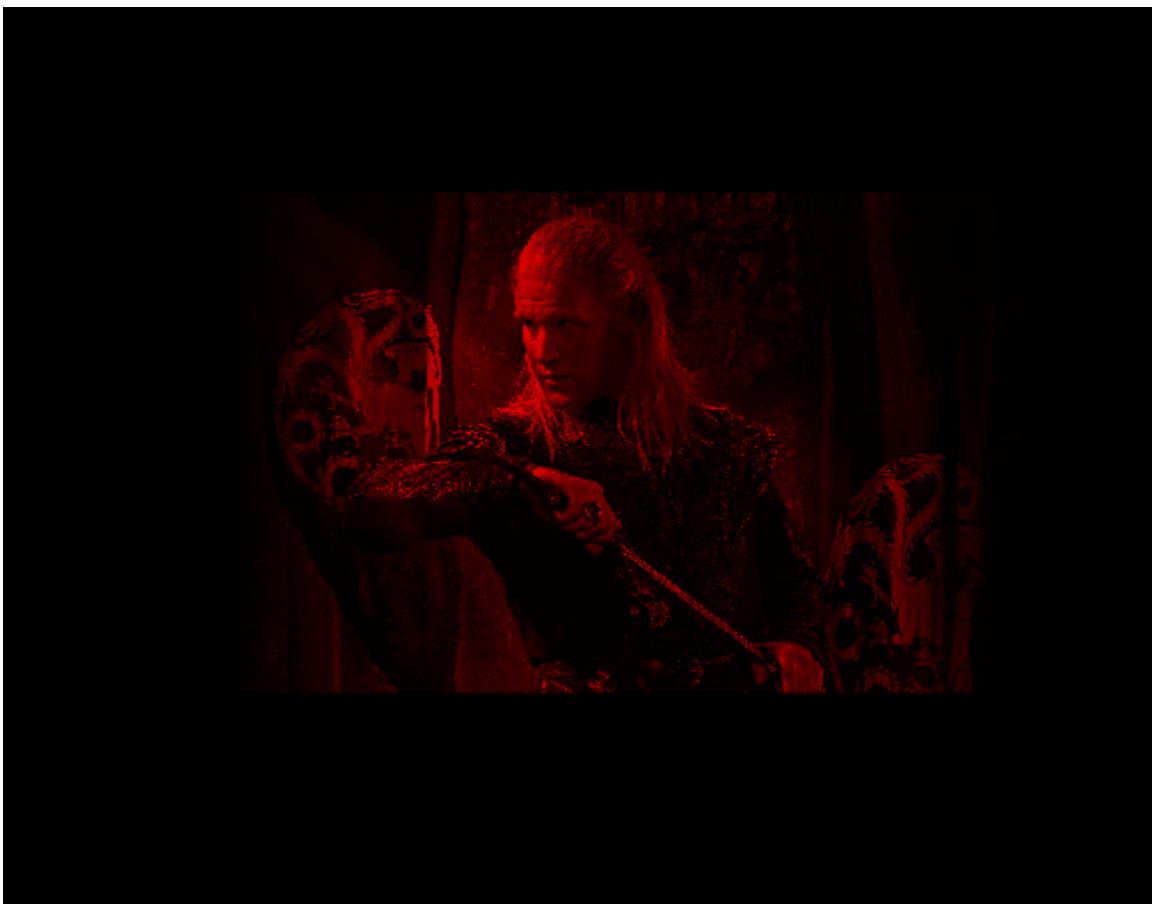

```
%Fundamental Oepration for Image Processing in MATLAB
%Date: 18/01/2026
clc;
clear all;
close all;
%Basic Operations that clear the command window and closes the figure
%window
B= randi([0,255],8,8);
display(B);
%to create a 8*8 matrix with random numbers ranging between 0 and 255
I=imread("Daemon.jpg");
figure
imshow(I);
%Uploading the basic input image
figure %for opening seperate window for each image
Ig=rgb2gray(I); %keyword to convert image to grayscale
imshow(Ig);
%grayscale image shown
I_red=imread("Daemon.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.
```

B =

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 11 | 174 | 210 | 96 | 196 | 51 | 28 | 217 |
| 193 | 180 | 110 | 55 | 42 | 104 | 34 | 143 |
| 62 | 113 | 227 | 202 | 220 | 191 | 173 | 237 |
| 113 | 5 | 100 | 243 | 253 | 211 | 126 | 178 |
| 176 | 84 | 196 | 83 | 131 | 202 | 48 | 149 |
| 91 | 108 | 101 | 171 | 226 | 81 | 126 | 208 |
| 188 | 69 | 206 | 112 | 150 | 136 | 37 | 225 |
| 101 | 50 | 193 | 213 | 39 | 23 | 14 | 253 |









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