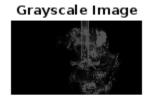
```
%Digital Image Processing
%Created by Srinivas Vatsav
clc;
clear all;
close all;
%importing image
I = imread('https://image.api.playstation.com/vulcan/img/rnd/202011/0204/
XwTgnF8iYJvCoRUJC7irHVeN.png?w=440');
%conversion of original image to grayscale image
R=I(:,:,1);
G=I(:,:,2);
B=I(:,:,3);
Ig=((R+G+B)/3);
%counting sum of all the pixels in grayscale image
count = sum(Ig(:));
%convertinng to black and white image
threshold=count/(144*349);
Ib = Ig > threshold;
%original image to blue image
Iblue=I;
Iblue(:,:,1)=0;
Iblue(:,:,2)=0;
%original image to green image
Igreen=I;
Igreen(:,:,1)=0;
Igreen(:,:,3)=0;
%original image to red image
Ired=I;
Ired(:,:,2)=0;
Ired(:,:,3)=0;
%Plotting all the results
subplot(2,3,1);
imshow(I);
title("Original Image");
subplot(2,3,2);
imshow(Ig);
title("Grayscale Image");
subplot(2,3,3);
imshow(Ib);
title("B&W Image");
subplot(2,3,4);
imshow(Ired);
title("Red Image");
subplot(2,3,5);
imshow(Igreen);
title("Green Image");
subplot(2,3,6);
```

1

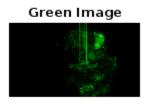
```
imshow(Iblue);
title("Blue Image");
```

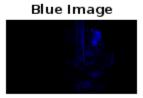






Red Image





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