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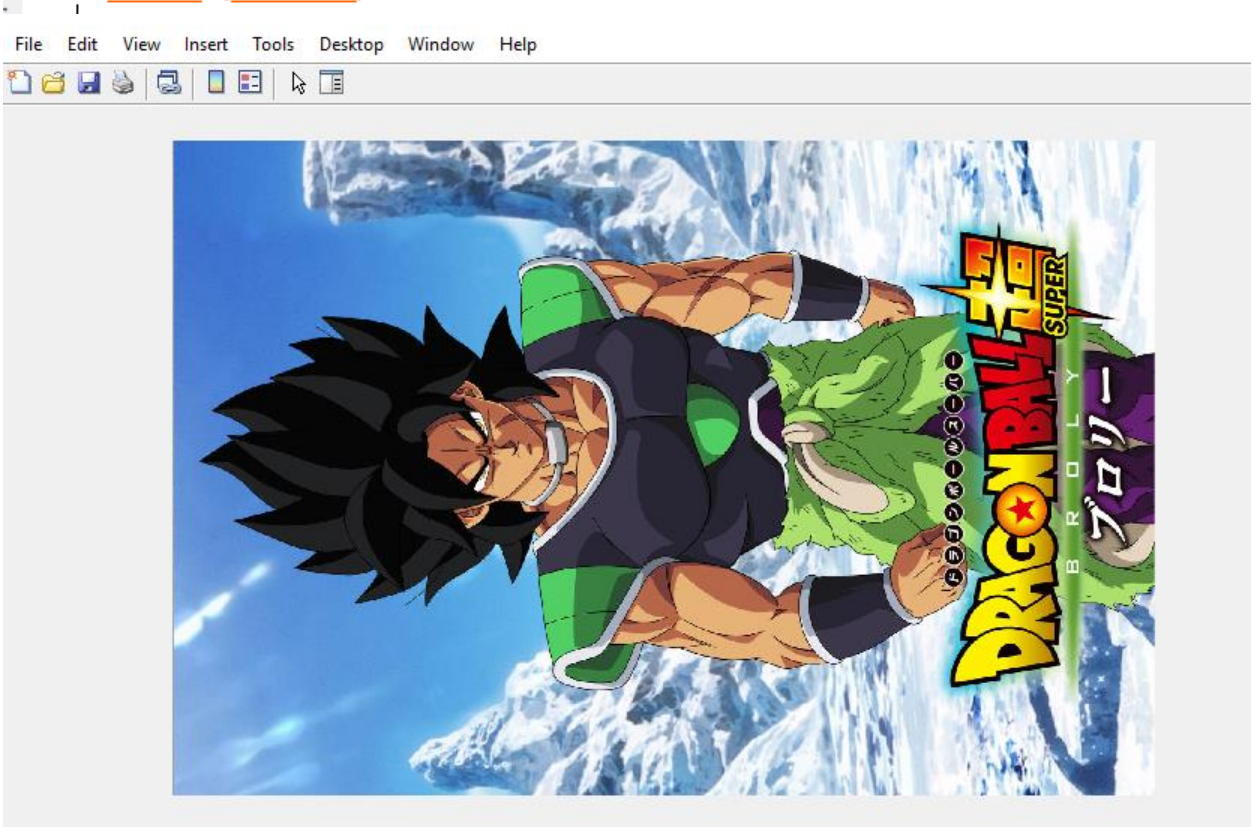
Assignment 01

1) Read image and display it.

```
Command Window
New to MATLAB? See resources for Getting Started.

>> % Read and Display an Image
>> I = imread('broly.jpg');
>>
>> %Display the image, using the imshow function
>> imshow(I);
Warning: Image is too big to fit on screen; displaying at 33%
> In images.internal.initSize (line 71)
  In imshow (line 337)
```

2) Rotate the image counter-clockwise 90 degree and display the image.

```
>> %rotates image I by angle degrees in a counterclockwise direction
>> J = imrotate(I,angle);
Not enough input arguments.

Error in angle (line 13)
p = atan2(imag(h), real(h));

>> J = imrotate(I,90);
>> imshow(J);
Warning: Image is too big to fit on screen; displaying at 50%
> In images.internal.initSize (line 71)
  In imshow (line 337)
```



3) Flip the image and display it.

```
>> %flipping original image
>> flipping_img = flip(I);
>> imshow(I);
Warning: Image is too big to fit on screen; displaying at 33%
> In images.internal.initSize (line 71)
  In imshow (line 337)
>> imshow(flipping_img);
Warning: Image is too big to fit on screen; displaying at 33%
> In images.internal.initSize (line 71)
  In imshow (line 337)
>>
```

4) Convert the image to a black white image using threshold 127 and display the image.

```
% converting the image to black and white
>> threshold = 127;  % declare the threshold
>> % convert to gray scale
BW = rgb2gray(I);
>> imshow(BW);
Warning: Image is too big to fit on screen; displaying at 33%
> In images.internal.initSize (line 71)
  In imshow (line 337)
>> %apply threshold
BW = (BW <= threshold); % apply the threshold
>> imshow(BW);
Warning: Image is too big to fit on screen; displaying at 33%
> In images.internal.initSize (line 71)
  In imshow (line 337)
```