Program No.: 01

1)Image Negative

2) Log Transformation

3) Power Law Transformation

4) Contrast Stretching

```
close all;
clear all;
```

```
clc
i=imread('cat2.jpeg');
imshow(i);
j=imadjust(i,[0.3,0.7],[]);
subplot(2,1,1);imshow(i);title('Original');
subplot(2,1,2);imshow(j);title('After Contrast stretching with L-int=0.3 & H-int=0.9');
```

5) Gray level Slicing

```
close all;
clear all;
clc
p=imread('cat2.jpeg');
  z=p;
   [m,n]=size(p);
  for i=1:m
      for j=1:n
          if((z(i,j))>120)&&(z(i,j)<150)
              z(i,j)=255;
          else
              z(i,j)=p(i,j); %condition for grey level slicing with background
          end
      end
  end
 subplot(2,1,1);imshow(p);title('Original');
subplot(2,1,2);imshow(z);title('After Gray Level slicing');
```