Laboratory 2

Exercise 1

```matlab
info = imfinfo('portrait.jpg');
L1=imread(info.Filename);
figure(1);
imshow(L1);
set(1,'Name',info.ColorType,'Color',[1 1 1]);
```

Exercise 2

```matlab
m0=100;
n0=160;
L1=imread('snegovik.jpg');
L2=im2double(rgb2gray(L1));
figure(1);imshow(L2)
[m1,n1]=size(L2);
L3=[zeros(m1,n0),L2;zeros(m0,(n0+n1))];
figure(2);imshow(L3)
```

Exercise 3

```matlab
L1=imread('portrait.jpg');
L2 = fliplr(L1);
L3 = flipud(L1);
L4 = fliplr(L3);
L_out = [L2,L1;L3,L4];
imshow(L_out)
```