% imread function

a = imread('lab1.tif'); % store the image in array a

b = imread('im1.tif'); % store the image in array b

% imshow function

%imshow(a); % displays the image stored in array a

% title function

%title('child image'); %create the title of the image

% imwrite function

%imwrite(a,'child\_image.jpg') %Write image to graphics file with the givn format

% imfinfo function

%imfinfo('lab1.tif')%shows various info regarding the image

% subplot function

% subplot(2,3,1);imshow(a); % displays the image in a frame by (row, column, position)

% subplot(2,3,2);imshow(b); % displays the image in a frame by (row, column, position)

% size function

%[r,c] = size(a)%gives the rows and columns dimension of image

%or,

%size(a)%gives the rows and columns dimension of image

%Accessing the Pixel data

%a(1,1) %Returns the value of the pixel at row 1, column 1 of the image a.

%impixelinfo and imtool function

%impixelinfo %Accessing the Pixel data using cursor

%imtool(a)

%disp(a)

%{

% Mirror image using flip function: Reverse the element in each row

mirror\_img = flip(a,2); %2 for reverse the elements in each row from left to right

%1 for reverse the elements in each column from top to bottom

imwrite(mirror\_img,'child\_image\_mirrored.jpg') %Write image to file with the givn format

imshow(mirror\_img);

title('Mirror image');

subplot(2,2,1);imshow(a);

subplot(2,2,2);imshow(mirror\_img);

%}