%%

% TASK 1

% Your job is to use the "edge" function of the image processing toolbox to

% find and display all images in the axial slice of the brain mask. Once

% you have computed the edges, you should display the edgemap in the

% remaining subplot panel (bottom right) with the proper orientation.

%

% type "help edge" in the command window to view the function prototype and

% argument information for the edge function

% TASK 2

% In a new figure window, display a histogram of MR intensities for all non-zero voxels. To do

% this, you will first use the "find" function to identify the voxels that

% have a non-zero intensity. Next, create a new vector to store the intensities

% of all non-zero voxels. Finally, you will call the "hist" function with

% this vector as the argument to display the intensity histogram.

% TASK 3

%

% In a new figure window, iterate across the z-dimension (dimension 3 in

% the array mri\_new) and display the value of each x-y slice successively.

% This requires the use of a "for-loop" as well as the "drawnow" function.

% The pseudocode of the script is given below. You need only fill in the

% question marks with the appropriate matlab variables/commands.