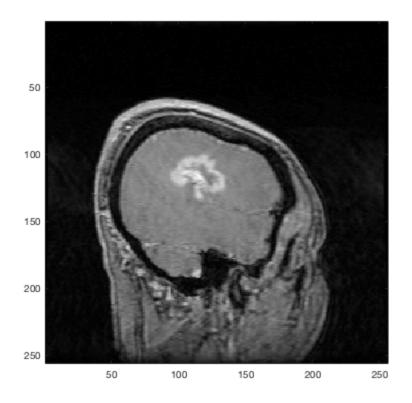
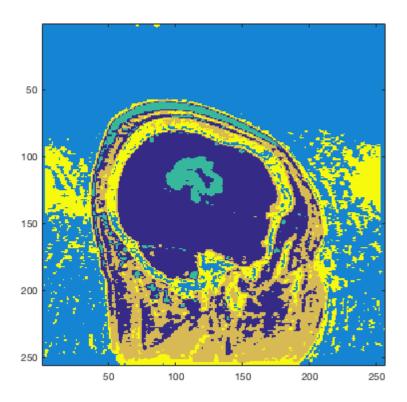
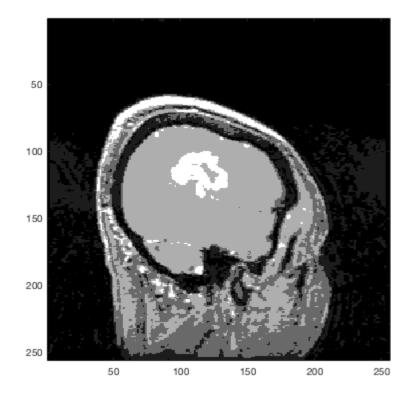
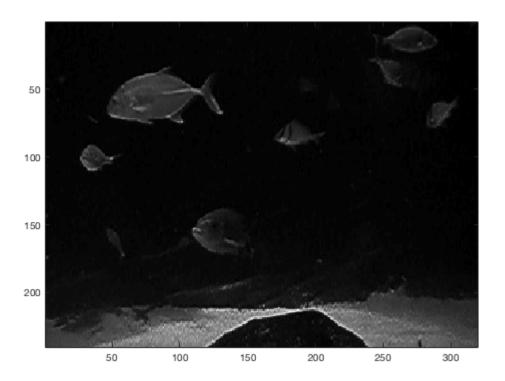
```
용
용
  script segmentM
용
  This is a Matlab script that will run Matlab's k-means algorithm
  for segmenting an image. You should select two images from the
  homework Matlab file and perform segmentation on them. The output will
  be used by another script of mine for visualization. You should also
  pick a third color image of your own.
  This code uses some Matlab tricks to be somewhat genecleric. First,
  all arguments are encapsulated into a cell array. This works as
  follows. The cell array belows consists of two arguments:
용
  >> sampleCellArray = {40, 34};
용
  that when expanded as an argument to a function, provides two
  inputs to the function,
  >> plus( sampleCellArray{:} )
용
  The output should be the addition of the two arguments:
용
용
  ans =
용
용
     74
용
% Anyhow, this function expectes the same, but the arguments are
  consistent with what the imkmeans function expects.
load('segment.mat');
picks = [1 2];
for i = 1:length(picks)
 switch (picks(i))
   case 1,
     images{i} = westin;
     iparms{i} = { 6, 5 };
   case 2,
     images{i} = fish04;
     iparms{i} = { 6, 5 };
 end
end
% Add more cases if you want to do all of the images, and change
% "picks" accordingly.
% Add your own personal case by including the code below:
% While the segmentation images above are grayscale, yours should
% be a color image file to change things up.
images{3} = imread('macaw.jpg');
iparms{3} = {10, 6};
for i = 1:length(images)
 [segimg{i}, K, nmeans{i}] = imkmeans(double(images{i}), iparms{i}{:});
```

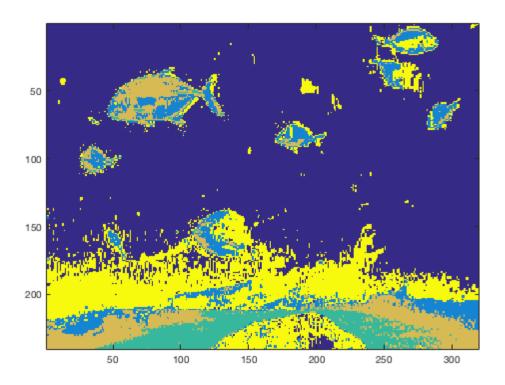
```
layers =
     1
Warning: Failed to converge in 6 iterations.
layers =
     1
Warning: Failed to converge in 6 iterations.
layers =
     1
Warning: Failed to converge in 10 iterations.
```

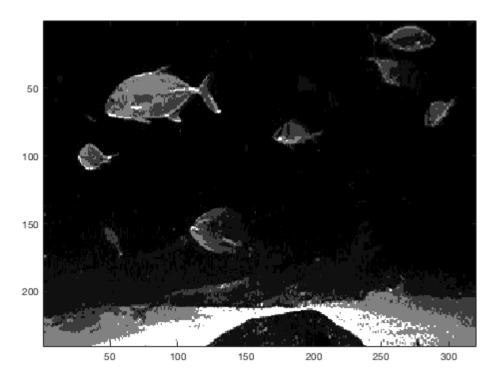


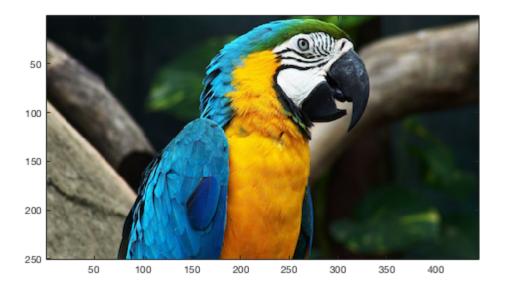


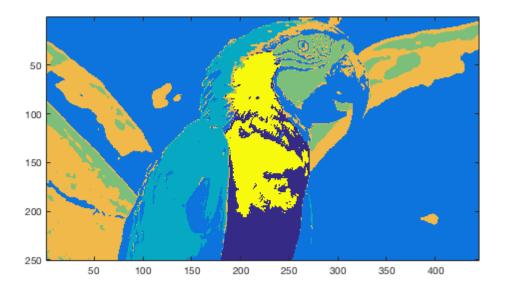


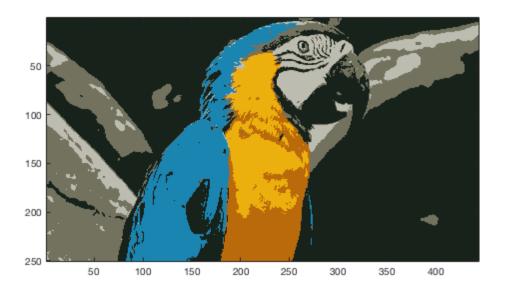












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