Submit by:

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Submitted to:

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Region Properties:

Code:

```
% Read the image
I = imread('coins.png');


% Convert to binary
Ibw = im2bw(I);


% Fill holes in detected objects
Ibw = imfill(Ibw, 'holes');


% Label all connected objects
Ilabel = bwlabel(Ibw);


% Compute centroids of labeled regions
Stat = regionprops(Ilabel, 'centroid');


% Display the original image
Imshow(I);
Hold on;


% Overlay red circles at centroids
For x = 1:numel(stat)
    Plot(stat(x).Centroid(1), stat(x).Centroid(2), 'ro');
End
 Hold off;
Ibw = imbinarize(rgb2gray(I));
```