

Submit by:

ESHA JA VA ID (BIT21258)

Submit to:

Mam Fouqia Zaheer

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;
```

```
lbw = imbinarize(rgb2gray(I));
```