Feature Extraction:

Boundary Detection:

Code:

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

% Convert the image to binary
CoinsBW = im2bw(Coins);

% Fill holes in the binary image
FilledCoinsBW = imfill(CoinsBW, 'holes');

% Extract boundaries of objects
Boundaries = bwboundaries(FilledCoinsBW);

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

% Plot the boundary of the 2nd object in red
Plot(boundaries{2}(:,2), boundaries{2}(:,1), 'r', 'LineWidth', 2);

% Plot the boundary of the 7th object in green
```

```
Plot(boundaries{7}(:,2), boundaries{7}(:,1), 'g', 'LineWidth', 2);


Hold off;

CoinsBW = imbinarize(rgb2gray(Coins));
```