

```
%program to detect edges in an image using matlab builtin function
clc;
clear all;
close all;
b = imread('coins.png');
% b = rgb2gray(a);
subplot(2,2,1);
imshow(b);
title('Original Image');
c1 = edge(b,'sobel');
subplot(2,2,2);
imshow(c1);
title('Sobel Operator');
c2 = edge(b,'prewitt');
subplot(2,2,3);
imshow(c2);
title('Prewitt Operator');
c3 = edge(b,'roberts');
subplot(2,2,4);
imshow(c3);
title('Roberts Operator');
```