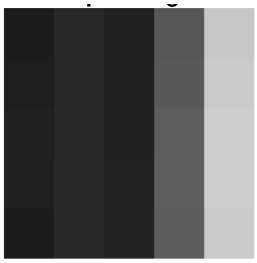
```
%Read 5 by 5 image
Image = imread('./edge.jpg')
```

```
Image = 5×5 uint8 matrix
    28    39    32    87   199
    30    39    32    89   202
    32    39    32    93   206
    32    40    34    94   206
    28    40    35    92   202
```

```
%Magnifying image and displaying because of the small size
figure; imshow(Image, InitialMagnification=5000);
title('Input Image')
```



```
%compute canny edge detection
canny_edge_op = edge(Image, 'canny')
```

```
canny_edge_op = 5×5 logical array
   0   0   0   0   0
   0   0   0   1   0
   0   0   0   1   0
   0   0   0   1   0
   0   0   0   0   0
```

```
%Displaying the detected edge on the image
imshow(canny_edge_op, InitialMagnification=5000)
title('Canny Edge Detected')
```