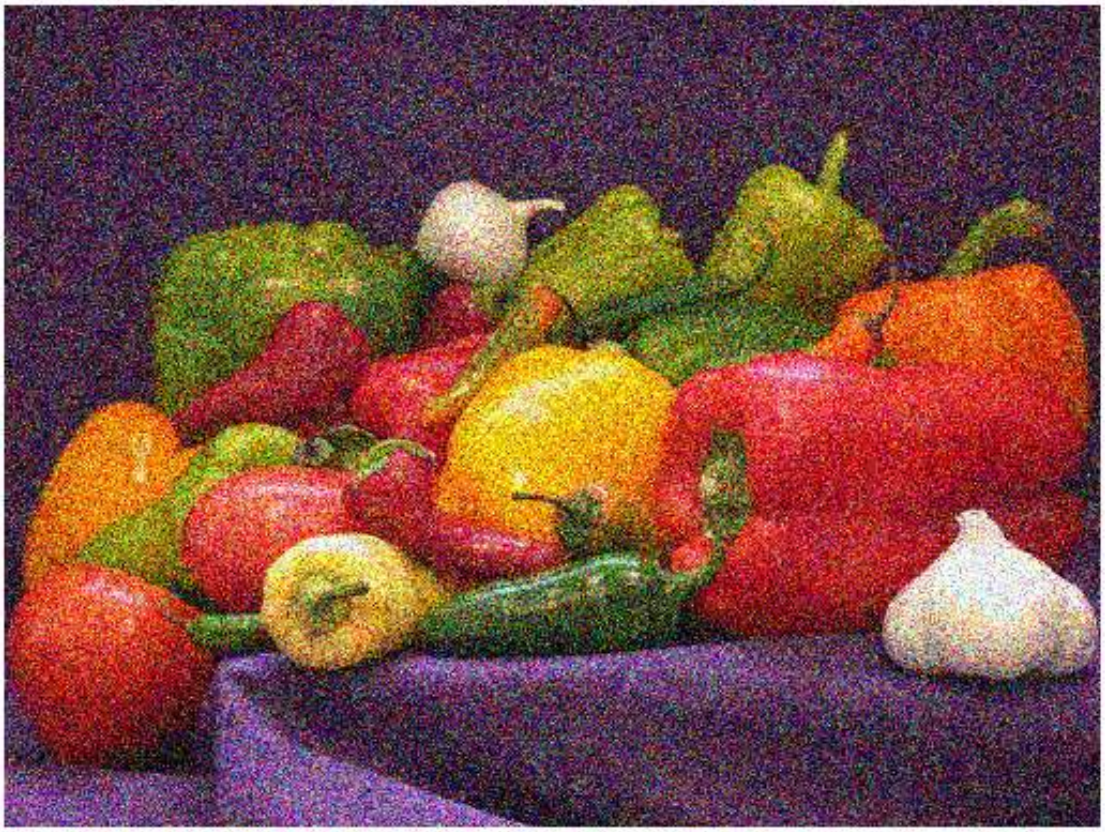
```
%Read the test image
mygrayimg = imread('peppers.png');
%mygrayimg = imresize(mygrayimg,[256 256],'nearest');
imshow(mygrayimg);
title('Original Image');
```


```
%Add salt and pepper noise with noise density.
mygrayimg = imread('peppers.png');
salt = imnoise(mygrayimg,'salt & pepper',0.03);
imshow(salt);
title('Salt & Pepper Image');
```

Salt & Pepper Image

```
%Add Gausian noise with mean and variance.
mygrayimg = imread('peppers.png');
gau = imnoise(mygrayimg,'gaussian',0,0.04);
imshow(gau);
title('Gaussian Image- mean 0 and variance 0.01');
```

Gaussian Image- mean 0 and variance 0.01



```
%Original Image plus periodic noise
%I=imread('peppers.png')
%I_gray=rgb2gray(I)
mygrayimg = imread("peppers.png");
%I_gray = rgb2gray(mygrayimg)
mygrayimg = imresize(mygrayimg,[256 256]);
[x, y] = meshgrid(1:256,1:256);
mysinusoidalnoise = 15 * sin(2*pi/14*x+2*pi/14*y);
mynoiseimg = double(mygrayimg) + mysinusoidalnoise;
imshow(mynoiseimg,[]);
title('Generated Sinusoidal noise');
```

Generated Sinusoidal noise