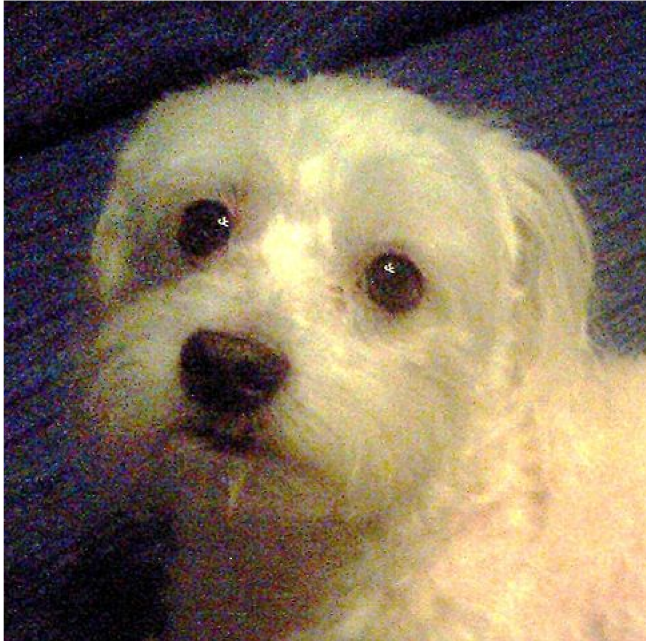


```
image = imread('C:\Users\shell\Desktop\485px-2._Mestre_(Italy),_the_dog_MILO.jpg');  
figure(1)  
imshow(image);  
title('Original image');
```

Original image



```
encimg = encrypt(image);
```

Original image in grayscale



```
function eimage = encrypt(image)
    if ndims(image) == 3
        eimage = rgb2gray(image);
        figure(2)
        imshow(eimage)
        title('Original image in grayscale')
    else
        eimage = image;
    end
end

s1 = size(image, 1);
s2 = size(image, 2);
encimg = double(encimg);
secretkey = input('Enter secret key number: ');
matrix = double(ones(1, s2) * secretkey);
for i = 2:s1
    secretkey = secretkey+50;
    if secretkey > 255
        secretkey = secretkey - 256;
    end
    rem = double(ones(1, s2) * secretkey);
    matrix = [matrix; rem];
end
encimg = uint8(encimg);
matrix = uint8(matrix);
encryptedimage = bitxor(encimg, matrix);
```

```
figure(3)
imshow(encryptedimage);
title('Encrypted image');
```

