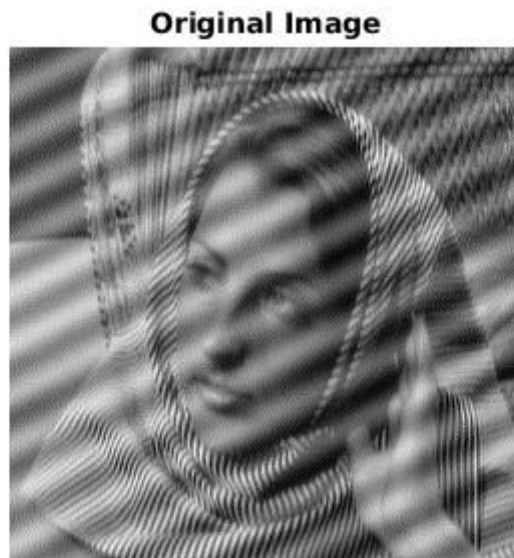
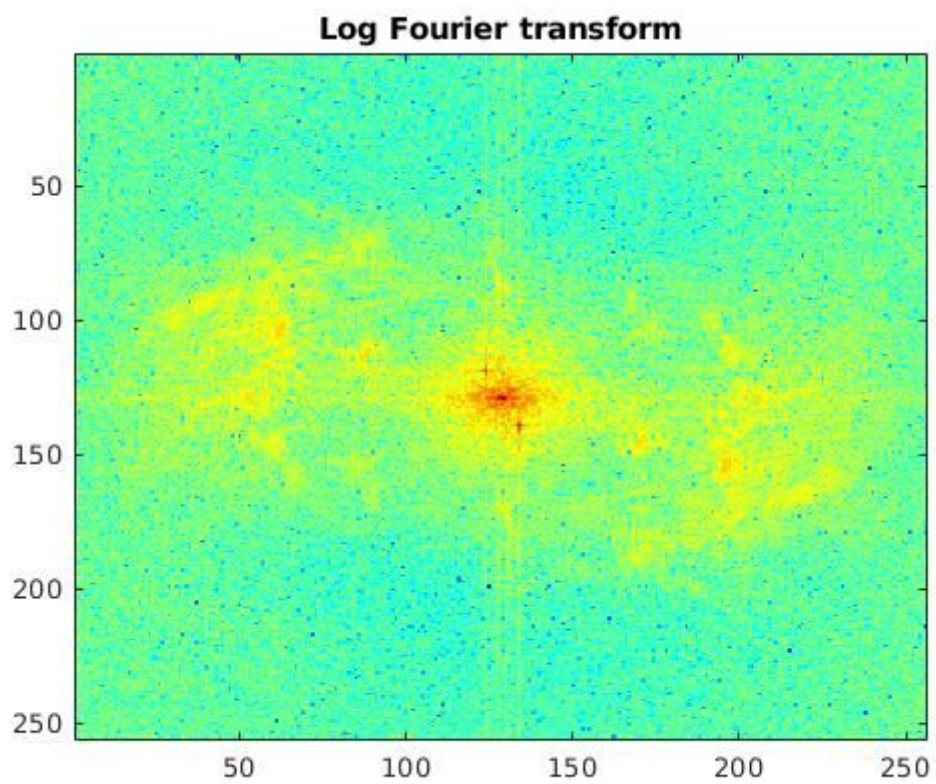


Q3)

The original image is:-

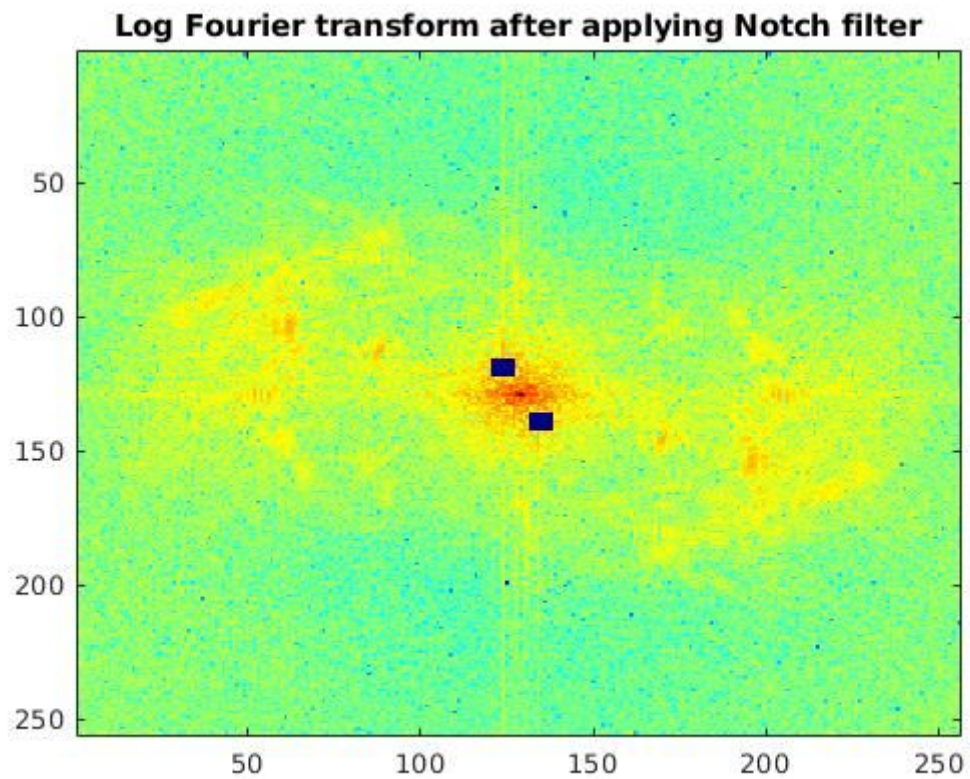


Log(magnitude) of fourier transform is:-



The noise frequency is at [119 124] and [139 135].

The fourier transform after removing the noise frequencies using an ideal notch filter is:-



After taking the inverse fourier transform of the changed fourier transform we get our result as:-

