Name:

Muhammad Yasir Abbas

Roll No:

L16-4154

Q#1:

Fourier Transformation
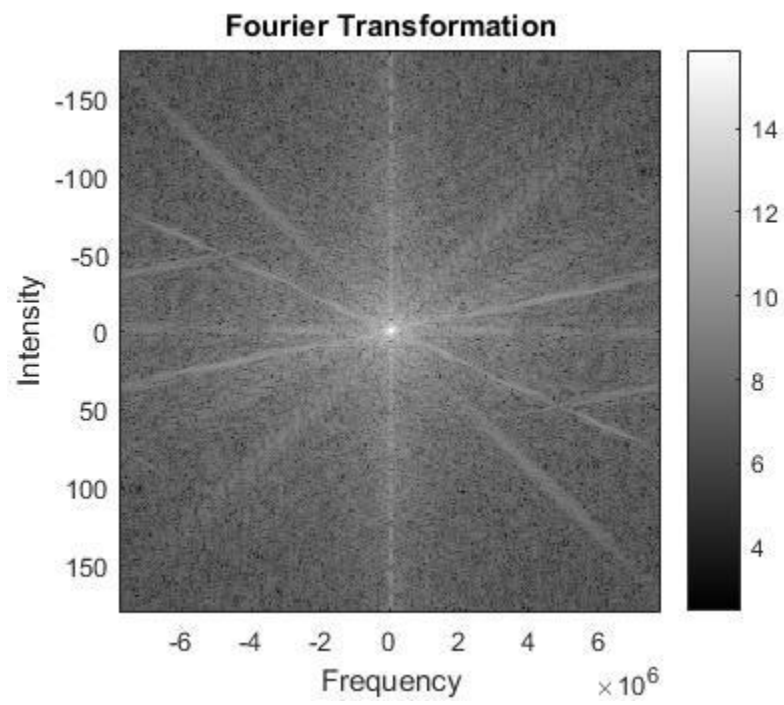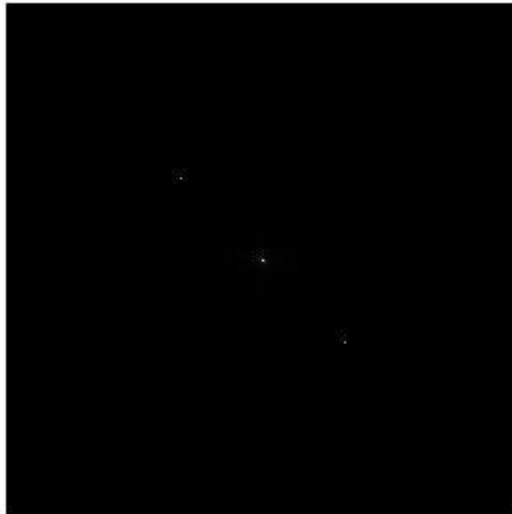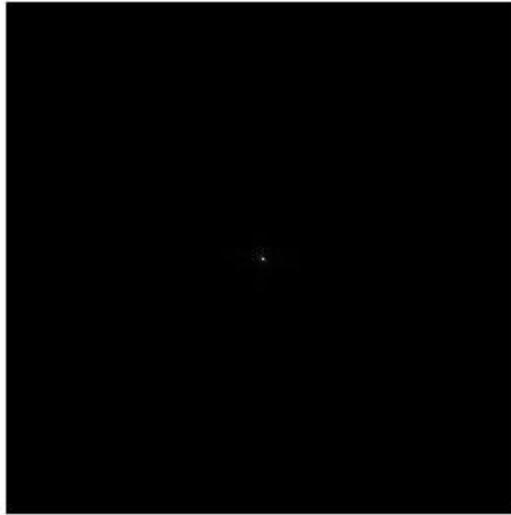
Q#2:

Distorted Image

Fourier Transformation of Distorted Image

Corrected Fourier Transformation of Distorted Image

Restored Image

When Fourier transform of distorted image is taken, 2 additional white spots at (88,88) and (170,170) are found. These are replaced with 0 and the inverse Fourier is taken to recover the original image.
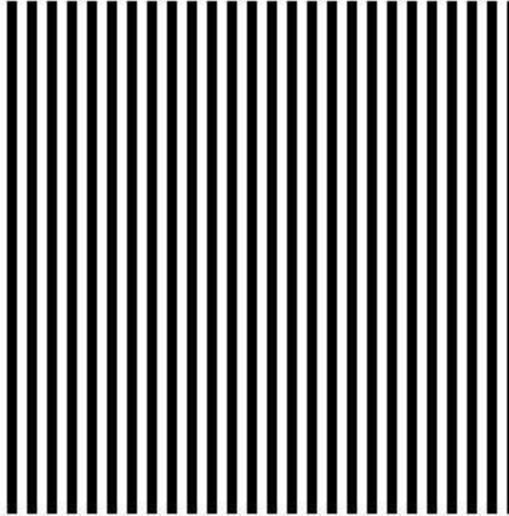
Q#3: (a)

Coins Image
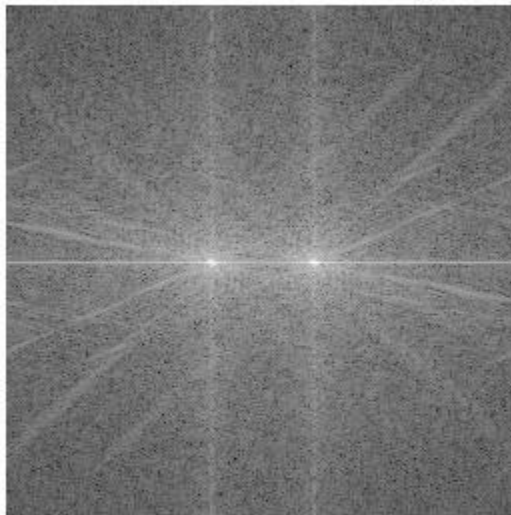

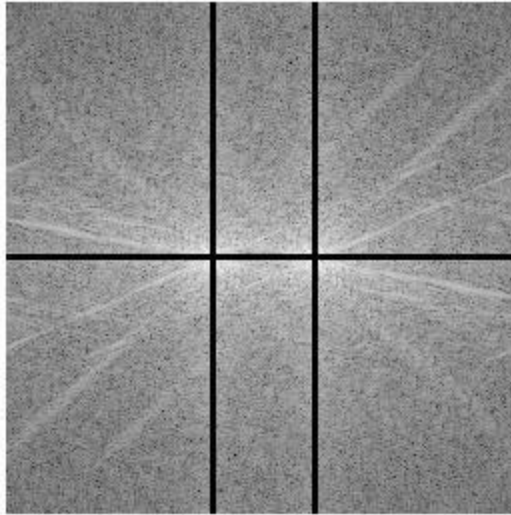After Application of Filter

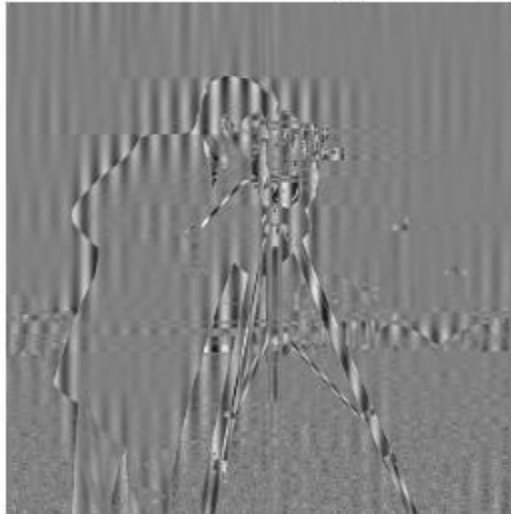The filter blurred the image.

Q#4:

Distorted Image

Fourier of Distorted Image

Fourier after Correction

Corrected Image

When Fourier of the image is taken. The straight lines of high intensity are observed. These high intensities are replaced by 0 to recover the picture partially.