Lab Exercise 2:

Q1. Plot the Sine Wave and Fourier amplitude Spectrum of frequency 50Hz, sampled at 1ms.

Q2. Plot the Square Wave and Fourier amplitude Spectrum of frequency 50Hz, sampled at 1ms.

Note:

1) All exercises must be implemented using Jupyter Notebook.(Language:python)

2) Please do all sub questions in a single Jupyter notebook only.

2) Install and import all necessary packages based on the task given.

3) Indicate all steps clearly with explanation.

4) After execution download .pdf and .ipynb file which includes code, explanation as well as output.