#FIRST QUESTION

import numpy as np#queation no 1

import scipy as sp

import matplotlib.pyplot as plt

for t in np.linspace(0,1,1000):

a=[2\*np.sin(17\*np.pi\*t)]

k=[3\*np.sin(12\*np.pi\*t)]

o=[4\*np.sin(20\*np.pi\*t)]

yosum=[i+j+k for i,j,k in zip(a,k,o)]

forier\_transform=np.fft.fft(yosum)

#QUESTION 5

import thinkdsp as td;import thinkplot as tp;from IPython.display import Audio#question no 2

wave=td.read\_wave('/home/akki/Downloads/Dinosaur-SoundBible.com-2770858.wav')

spectrum1=wave.make\_spectrum();spectrum1.plot(high=1000)

party=Audio(data=wave.ys,rate=wave.framerate)

party

spectrum1.plot(high=1000)

wave.make\_audio()