Tutorial 7- Audio signal processing with Python

Question 1

Create Python module that contain the function for the following tasks

   a) Playing audio from a given file
   b) Plot the waveform of a input file
   c) Playing an audio from t1 till t2 (t1 is starting time in secs and t2 is ending time in secs)
   d) Plot an audio waveform from t1 till t2

Put all your functions in a single module file SoundProcessingModule.py . Name the module as
SoundProcessingModule

Question 2

   Design a voice activity detector. Write a program to monitor the sound of a quiet room during an
   online test. Print out an alert when the sound of somebody speaking is detected.