**Tutorial 7- Audio signal processing with Python**

**Question 1**

Create Python module that contain the function for the following tasks

1. Playing audio from a given file
2. Plot the waveform of a input file
3. Playing an audio from t1 till t2 ( t1 is starting time in secs and t2 is ending time in secs)
4. 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.