

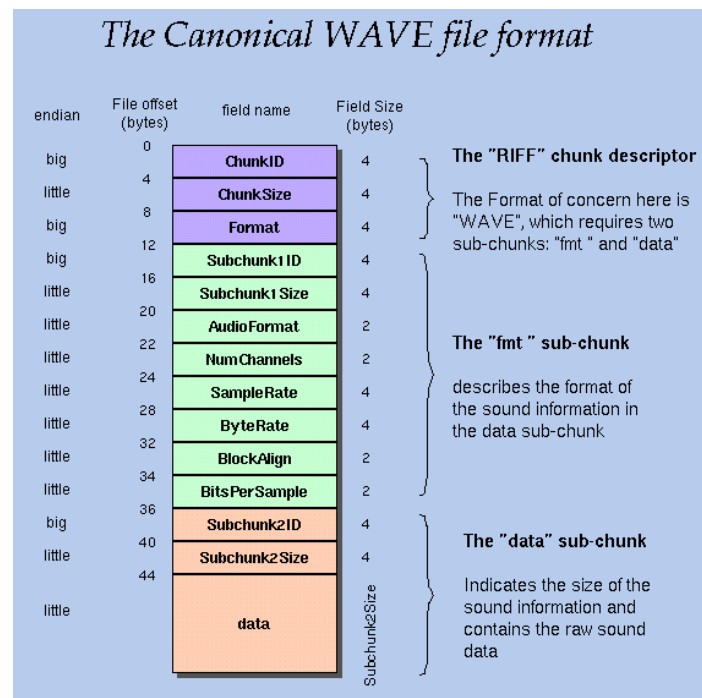
365 Project1

Marco Hiu Yeung Lai

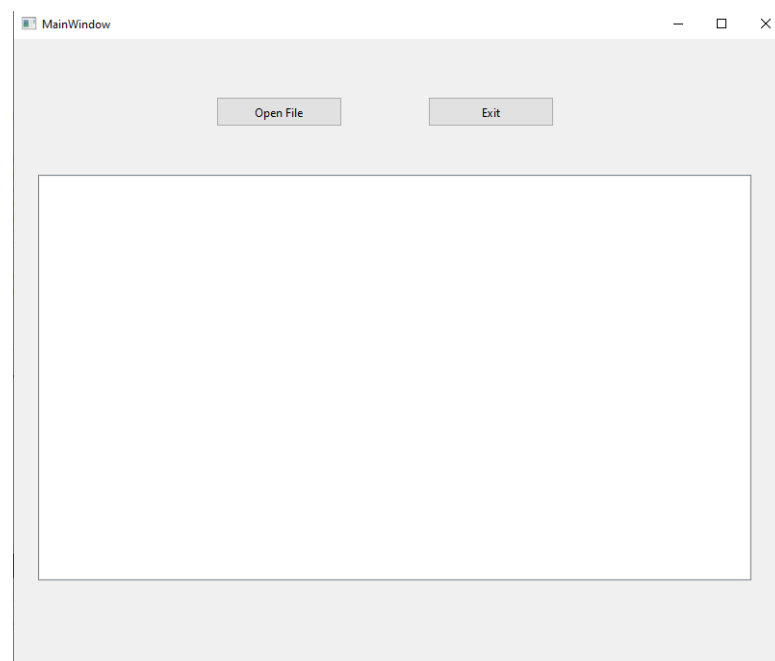
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Q1

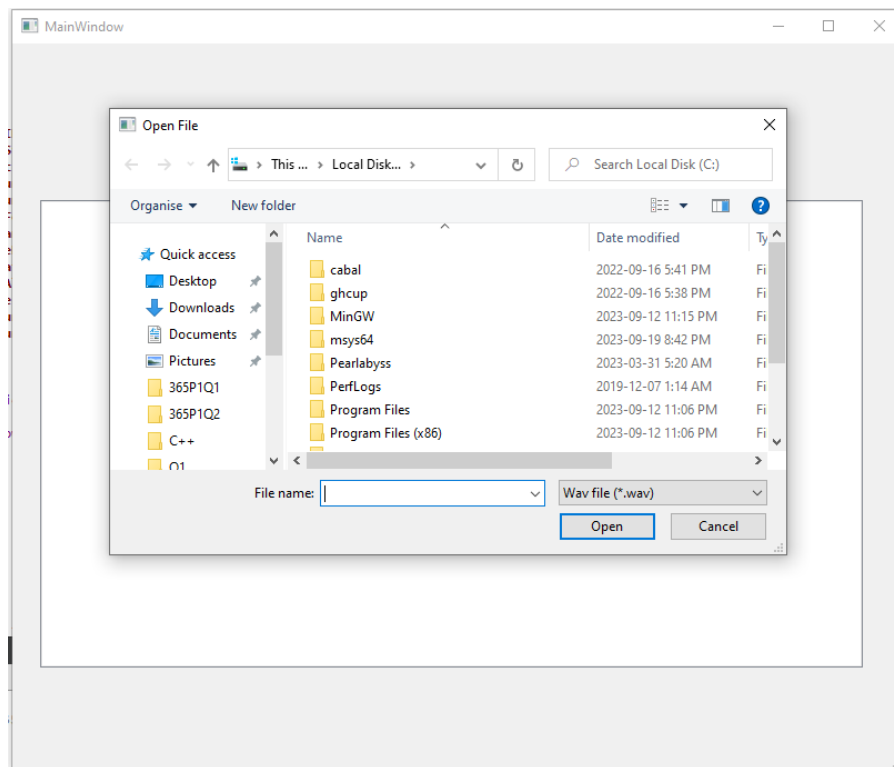
For this project I use qt creator and write in C++. I created a header struct and parsed the file as following format:



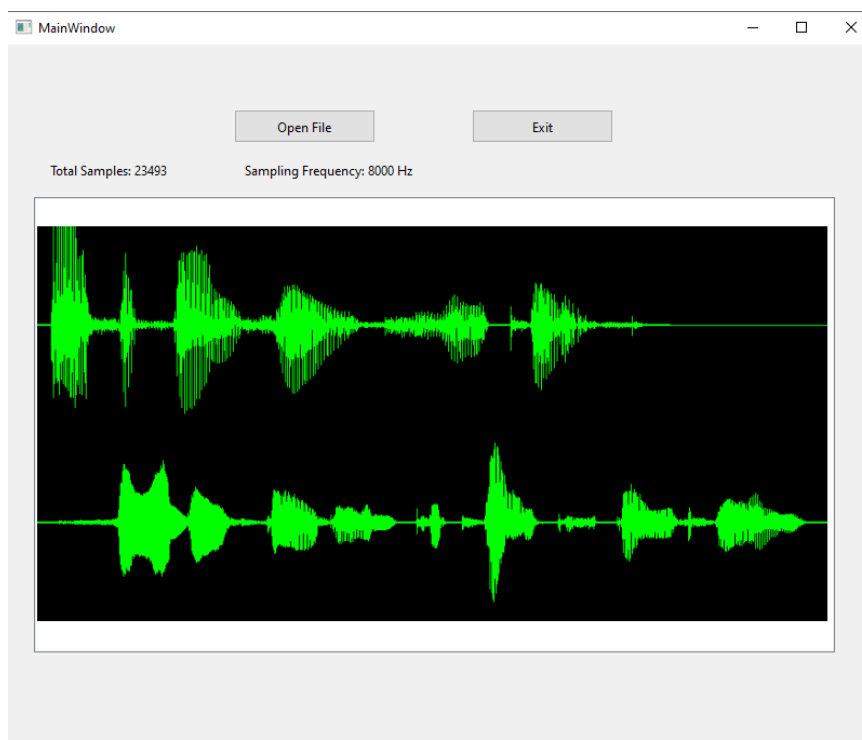
Since the project requires Open File and Exit two functions only, I rather display both buttons on the main Window instead of having it in the menu bar.



Once “Open File” clicked, the open file dialog prompted as follow, which is wav file format only:

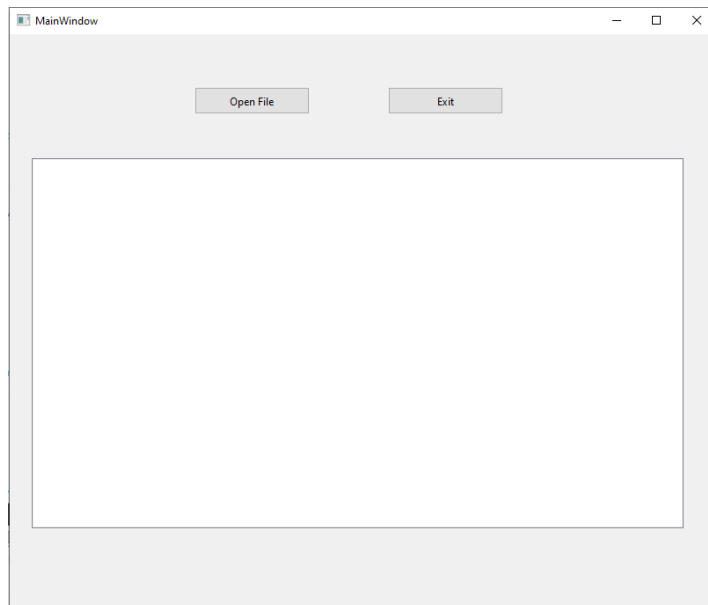


Below is the testcase result for audio1.wav, the number of sample is the subchunk2size divided by 4 (the number of channels (stereo = 2) and the bytes per sample(16bits/8)) while sampling frequency is called from the SampleRate in header's struct which could be read directly from the file.

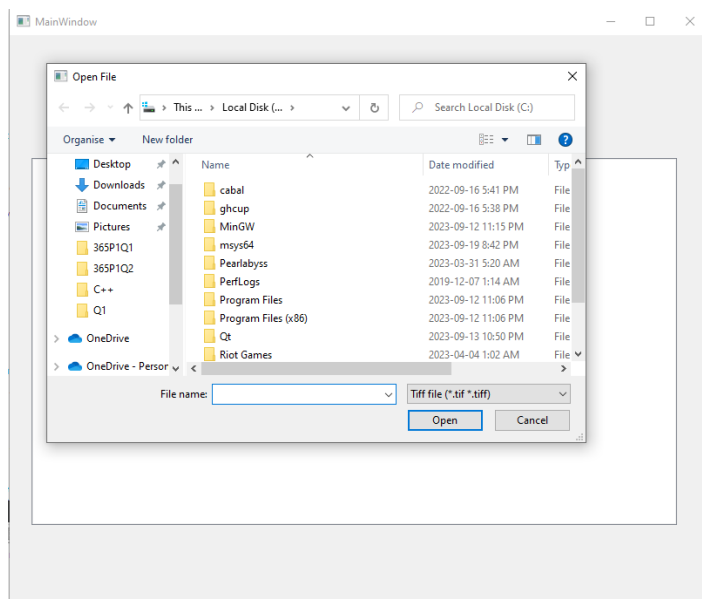


Q2

For question 2, I reuse the same GUI set up



Same Open File Dialog, but tiff file restriction for this:



The code read the first 8 bytes to determine if the file is TIFF format.

Test Files 1, 2, 3 are shown respectively as below:

