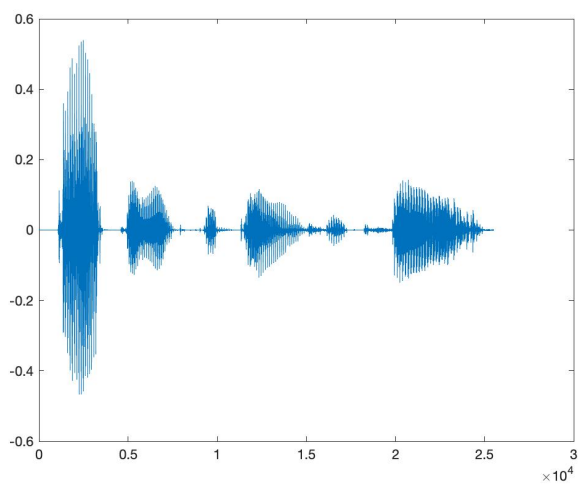


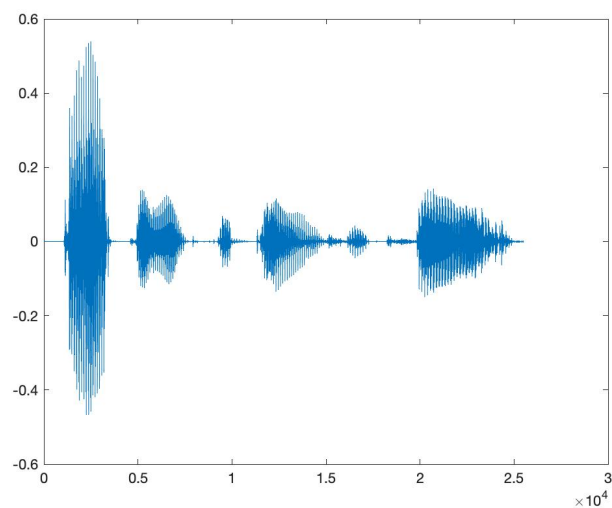
Verify the output produced by this implementation is the same as the output produced by the demo program.

we can use Matlab plot the two wave files.

```
exercise2.m wave.m +
1 %
2 tic
3 interval = 44100;
4 need_exist = false;
5 index = 1;
6 while ~need_exist
7     try
8         [x, fs] = audioread( 'output.wav' , [(index-1)*interval+1, index*interval]);
9     catch
10        [x, fs] = audioread( 'output.wav' , [(index-1)*interval+1, inf]);
11        need_exist = true;
12    end
13    index = index + 1;
14    plot(x)
15    drawnow
16    pause(0.)
17 end
18 toc
```



Demo wave file.



Output wave file.

The filtered signals of the filter with 8 delay variables and of filter with 4 delay variables are the same.

