

DSP Lab4
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kwc305
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1.

See the file Lab_4_Sec_1_EX3_kwc305.py

In this file, I modify to two tuple in order to process two channels signal.

First, I let it read in two different tuple, do the separate by 0,2,4,6,8..... to left, 1,3,5,7,9....to right.

And then process the signal, add the effect to only one tuple. Last, use for loop recover to only one tuple.

2.

See the file Lab_4_Sec2_EX3_kwc305.py

In this file, in order to process the microphone, I modify the code let input=true and let it process a BLOCKSIZE in one for loop, so I also provide 2 buffer in order to store the signal let it process the microphone signal. For process signal, I separate to pre and next to process.

3.

See the file Lab_4_Sec2_Ex4_kwc305.py

In this file, I modify the file: I add the original signal to the output signal, let it mix to two channel, create the flanger effect.

```
output_value = output_value + input_value  
output_string = struct.pack('h', clip16(output_value))
```

I add this two line to create flanger effect