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Group B

Internet Technology 2

Lab 6

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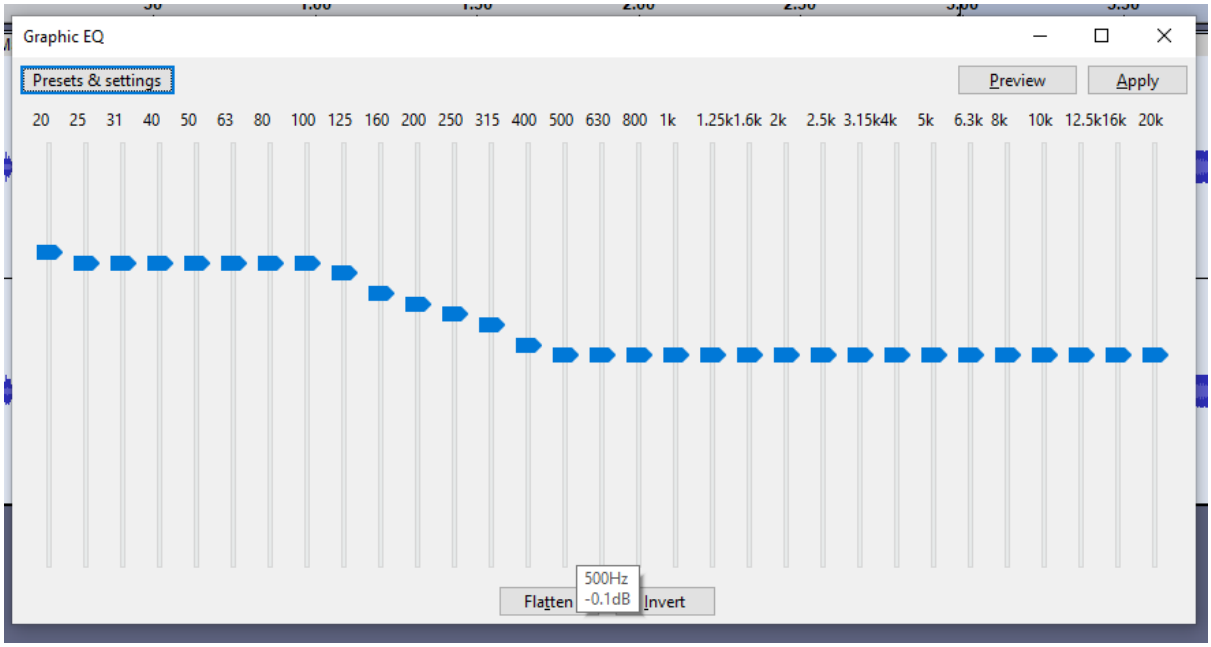
Q. 4)

The scale of the linear output is lower than the one of the dB output. The reason is that dB uses a logarithmic scale which can be used to analyze a large range of quantities.

Q. 6)

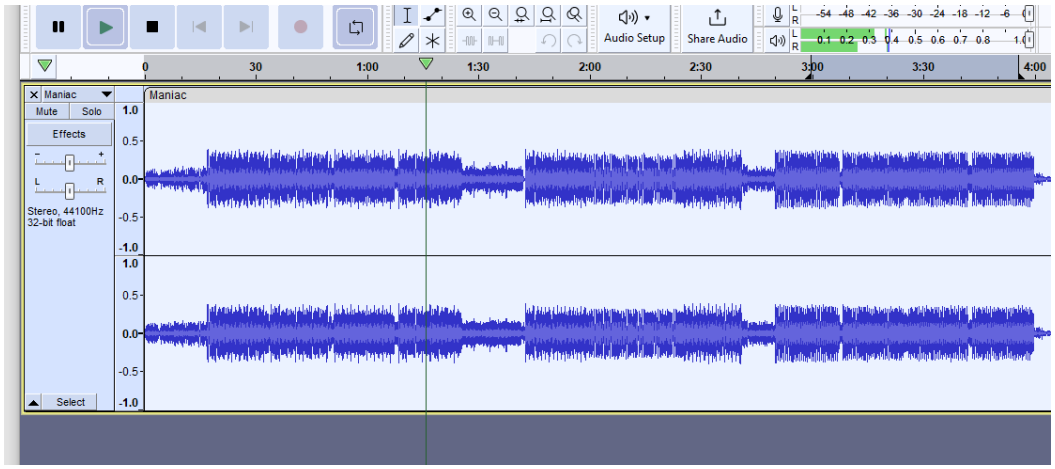


Frequency range for the bass is from 20 Hz to 500 Hz. The dB gain for 100 Hz is 9.1 dB.

Q. 7)

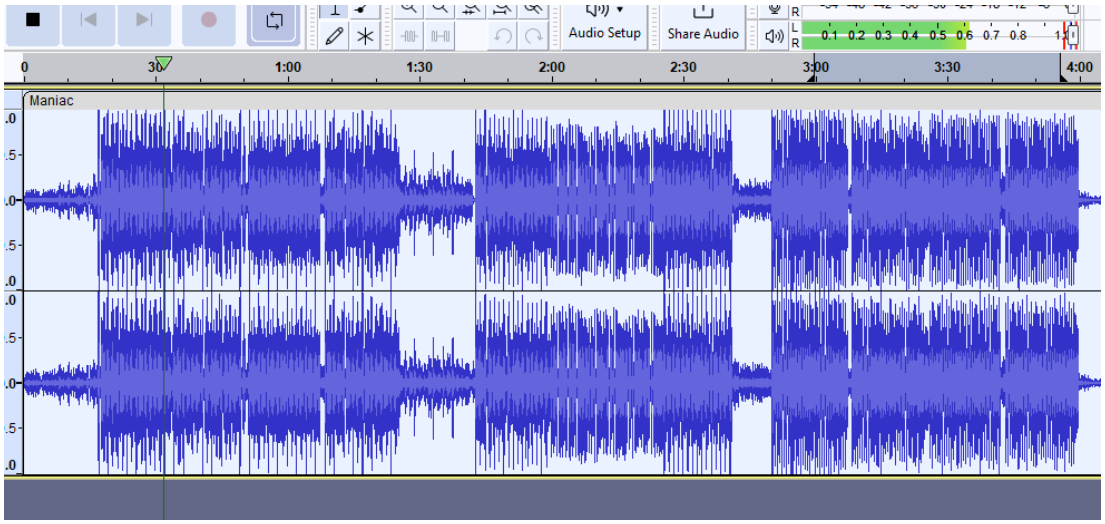
The dB gain for the 5000 Hz slider is 0 dB.

Q. 8)



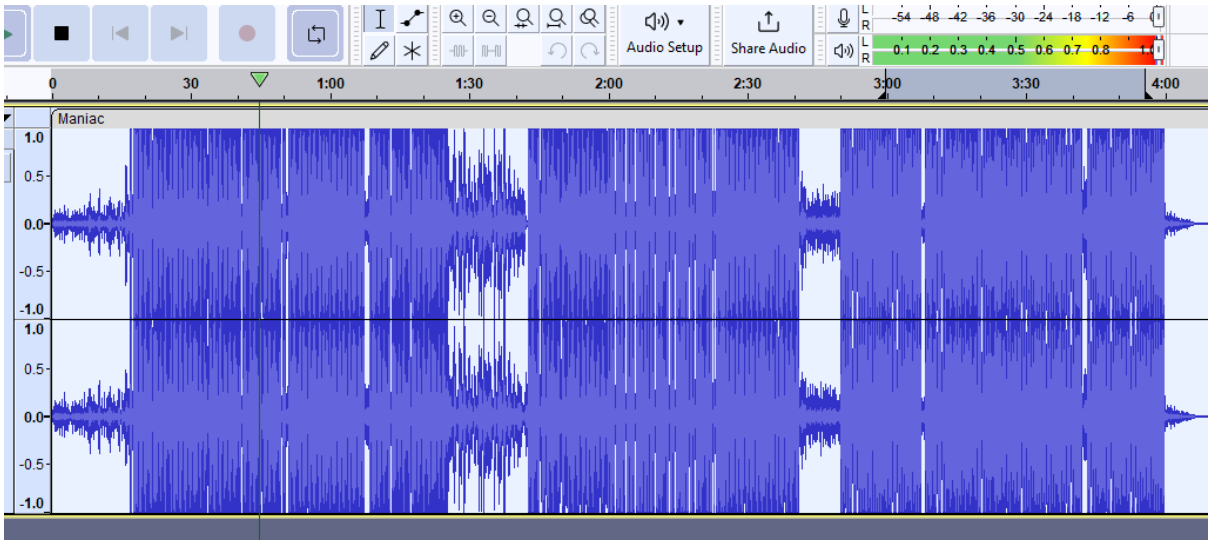
There is a clear difference in the waveform. Bass boost improves the sound quality by boosting the bass response in the frequency range that is supported by the speaker.

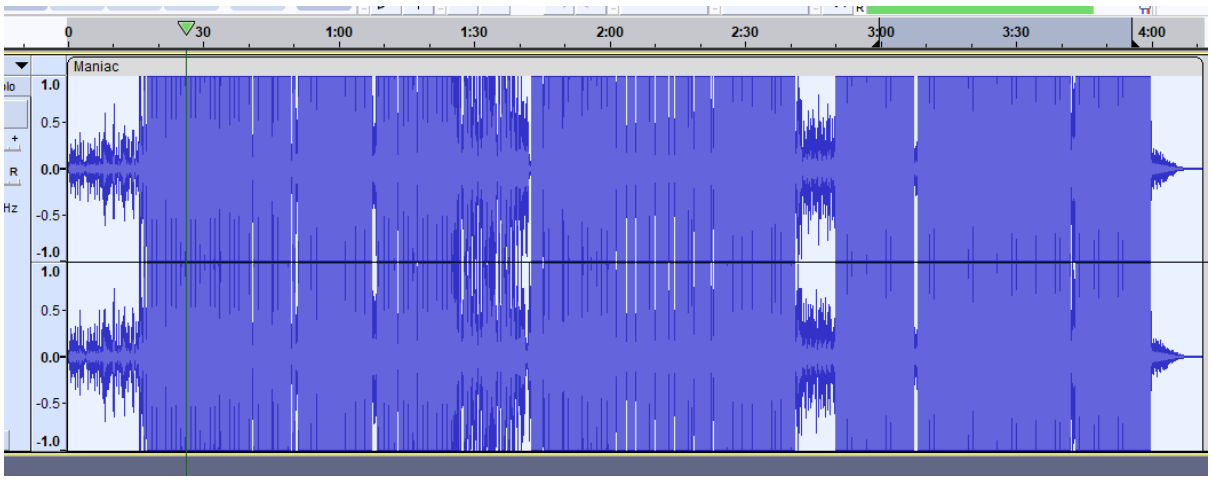
Q. 9)



When using the bass boost again, you're improving the sound quality.

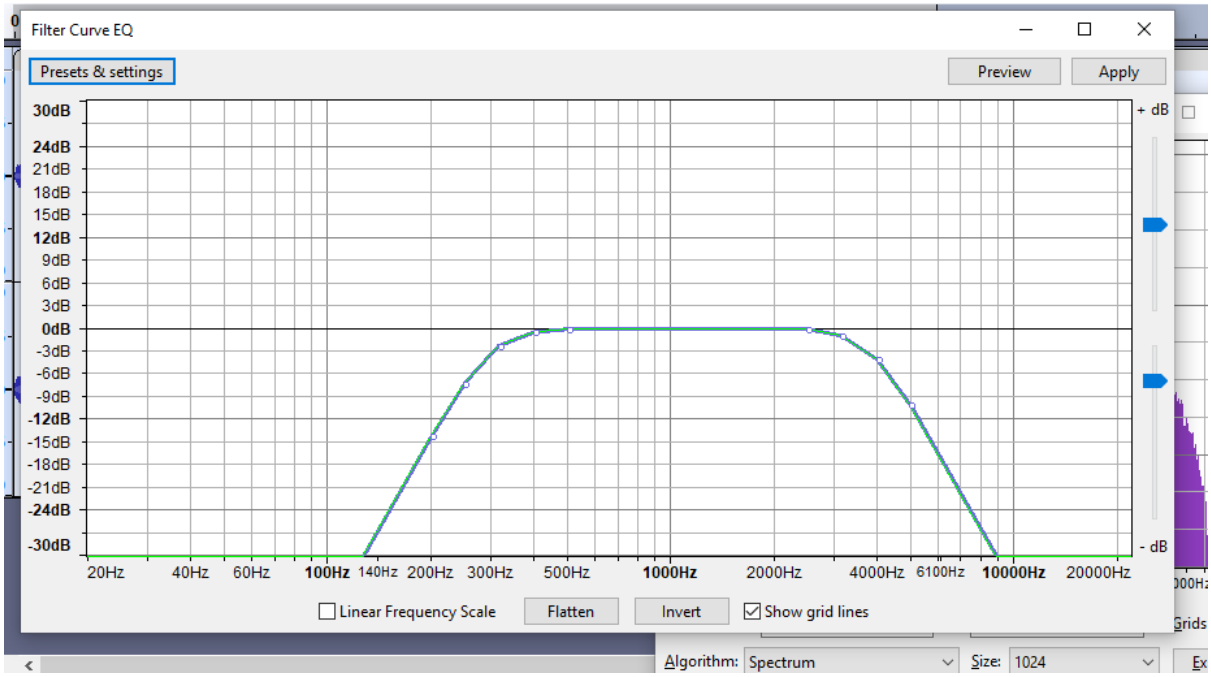
Q. 10)





Every time when the bass boost is selected, the low frequencies are boosted.

Q. 13)



The filter cuts off the low and high frequencies. This way the filter gets rid of unwanted background noises.