Question 1: What happens to the static noise once it reaches a specific radio station?

Answer:

- When i tune from the static noise video to the radio station, the static noise does not just get quieter; it is replaced. The chaotic, random "hiss" of the static is overcome by a coherent, structured signal. As the station's frequency is locked in, the static breaks apart, allowing fragments of music or voice to come through before disappearing completely, leaving only the clear audio of the broadcast. This demonstrates how a strong, intended signal cancels out the background electromagnetic noise when a receiver is properly tuned.

Question 2: Did distortion improve the song?

Answer:

- Yes, in this context, the distortion acts as a deliberate artistic effect that improves the song. It is not a mistake but a creative tool used to add intensity, raw energy, and a gritty texture to the music. This purposeful distortion creates a specific mood and character that would be absent if the sound was clean, making the track more powerful and engaging for the listener.

Question 3: What is your observation regarding the effect of the background music on your talking voice?

Answer:

- As the background music volume increases from 20% to 90%, its effect on the clarity of my talking voice changes dramatically. At 20% volume, the music acts as subtle background ambiance that does not interfere with the intelligibility of the speech. At 50%, it becomes a competing sound, forcing my voice to struggle for the listener's attention. At 90% volume, the music completely masks the voice, making it very difficult to understand the speech, as the two signals are now fighting for the same sonic space, demonstrating the "masking effect" in audio.