To complete the project on simulating audio modulation (e.g., amplitude modulation or frequency modulation) using Python, you'll need to have a good understanding of several concepts and skills. Here's a list of things you should know:

1. Signal Basics: Understand what audio signals are, their properties (amplitude, frequency, phase), and how they can be represented digitally.

2. Modulation Techniques: Learn the basics of amplitude modulation (AM) and frequency modulation (FM). Understand how these techniques alter the carrier signal using the information signal.

3. Python Programming: Have a solid grasp of Python programming, including data structures, functions, loops, and libraries like NumPy for numerical operations and SciPy for signal processing.

4. Signal Generation: Know how to generate simple audio signals using Python, such as sinusoidal waves. You'll use these as the carrier and information signals in your modulation process.

5. Signal Processing: Familiarize yourself with signal processing techniques, such as filtering and smoothing, as you may need to apply them to your signals.

6. Mathematics of Modulation: Understand the mathematical equations behind AM and FM modulation. This involves manipulating the amplitude and frequency of the carrier signal based on the information signal.

7. Noise Addition: Learn how to add noise to signals to simulate real-world conditions. Noise is crucial to making your simulation more realistic.

8. Demodulation: Study how to reverse the modulation process to demodulate the signal and recover the original information.

9. Plotting and Visualization: Gain proficiency in using libraries like Matplotlib to plot and visualize signals at different stages of modulation and demodulation.

10. Signal Analysis: Learn how to analyze the characteristics of signals, such as their frequency spectrum, to verify the correctness of your modulation and demodulation processes.

11. Python Libraries: Familiarize yourself with libraries that can aid in audio processing and manipulation, such as SciPy for signal processing and soundfile for working with audio files.

12. Time-Frequency Domain Analysis: Understand the concept of the time-domain and frequency-domain representations of signals. This knowledge will be useful in interpreting the effects of modulation.

13. Digital Audio Basics: Gain a basic understanding of digital audio formats and their characteristics.

As you work on the project, don't hesitate to refer to online tutorials, documentation, and textbooks for in-depth explanations and examples. Start by implementing a basic version of the chosen modulation technique and gradually add complexity and features as you become more comfortable with the concepts and code.

Additionally you can use Jupyter Notebook(by this you can run your code piece by piece)