Python Arrays

In Python, we have multiple ways to work with arrays. The most common approaches are using lists, the **array** module and NumPy arrays.

01. Lists (Dynamic Arrays)

Python **lists** are most used for array-like structure. They can store different types of elements and allow dynamic resizing.

"Remind – A list in Python is not a traditional array. In a traditional array, we need to define its size when creating. We cannot change the size after initialization. But in the lists, don't have this limitation. Dynamically increasing its size when adding elements."

02. Using array Module (Static Array)

Python provides the **array** module for more memory-efficient arrays that store elements of the same type.

03. NumPy Arrays

NumPy provides faster and more efficient arrays for numerical computational tasks.

"Remind - NumPy (Numerical Python) is a library in the Python ecosystem, especially used for numerical computing and data analysis."