

Python Array Arrays

are used to store multiple values at a time in one single variable. Python does not have built-in support for Arrays, but Python Lists can be used instead. Differences between List and an Array. A list is a different kind of data structure from an array. The biggest difference is in the idea of direct access vs. sequential access. Arrays allow both; direct and sequential access, while lists allow only sequential access. And this is because the way that these data structures are stored in memory. Sequential access must begin at the beginning and access each element in order, one after the other. Direct access allows the access of any element directly by locating it by its index number or address. Arrays and lists are both used in Python to store data, but they don't serve exactly the same purposes. They both can be used to store any data type (real numbers, strings, etc.), and they both can be indexed and iterated through, but the similarities between the two don't go much further. The main difference betwe