

Representing Arrays in Memory

To represent an array in memory, we need to know how the elements of the array are stored. In a one-dimensional array, the elements are stored in a single row with multiple columns.

Each element of the array takes up space in memory, depending on its data type. For example, an array of integers would take up 2-4 bytes of memory per element.

Overall, understanding memory and arrays is crucial to programming, as they are fundamental building blocks of many programs and applications.

Arrays in Memory

In this video, we will discuss how data is stored in arrays in memory. All the elements in an array are stored in consecutive/continuous locations with the index starting at zero. The array can be statically initialized at compile time or dynamically initialized at runtime.

One important point to note is that arrays are fixed-size. The elements are stored in sequential/continuous locations with each element taking up the same amount of memory.