

ARRAYS IN C++

In C++, an array is a data structure that is used to store multiple values of similar data types in a contiguous memory location.

Properties of Arrays in C++

- An Array is a collection of data of the same data type, stored at a contiguous memory location.
- Indexing of an array starts from **0**. It means the first element is stored at the 0th index, the second at 1st, and so on.
- Elements of an array can be accessed using their indices.
- Once an array is declared its size remains constant throughout the program.
- An array can have multiple dimensions.
- The number of elements in an array can be determined using the `sizeof()` operator.
- We can find the size of the type of elements stored in an array by subtracting adjacent addresses.

Syntax:

```
data_type array_name[Size_of_array];
```

Example:

```
int arr[5];
```