

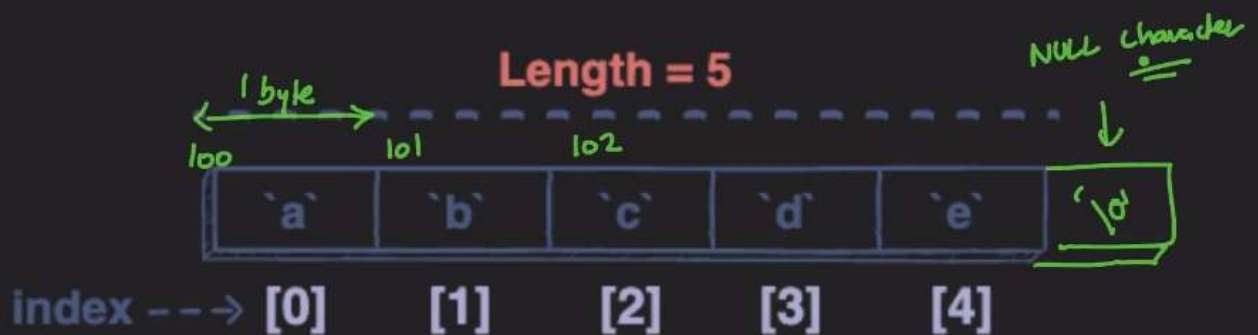
Arrays Introduction

An **array** is a collection of elements of the same type placed in contiguous memory locations.

- Creation
- Input
- Output
- Update



Char Array



$a[1] \Rightarrow b$



Creating an Array

```

1 //Creating an Array
2 // data_type array_name[size]
3
4 int a[100];
5
6 int a[100] = {0};
7
8 int a[100] = {1,2,3};
9
10 int a[] = {1,2,3};
11
12 string fruits[4] = {"apple","mango","guava"}

```



Creating an Array

Static →

```

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2 // data_type array_name[size]
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4 int a[100];
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```

Init List →

Garbage →

Allocate a memory 4x100 = 400bytes →

optional →

Array of "Strings" →



