

Types of Array.

There are two types of array

- ① Single dimension Array,
- ② Multidimensional Array.

Single dimensional Array: data

are store in a row format.
Where elements are stored one after another. the elements are accessed by single subscript.
It is defined as.

```
int array[10];
```

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it is stored as.

10	20	30	40	50	60	70	80	90	100
0	1	2	3	4	5	6	7	8	9

Multidimensional array

It may be 2D, 3D, 4D. It can be considered as an array of arrays or as a matrix consisting of rows and columns. It is defined as.

```
int array[2][3] /* 2D Dimensional */
```

→ 2 rows

→ 3 columns.

	0	1	2
0	40	50	60
1	70	80	90

The elements of array can be accessed by

array[0][0] → 40

array[0][1] → 50

array[0][2] → 60