ARRAYS

**Array Definition:** An array is a data structure that contains a group of elements. Typically these elements are all of the same [data type](https://techterms.com/definition/datatype), such as an [integer](https://techterms.com/definition/integer) or [string](https://techterms.com/definition/string).

Arrays are commonly used in computer programs to organize data so that a related set of values can be easily sorted or searched.

### How to declare an array?

**Syntax for declaring an array:-**

dataType array\_name[arraySize];

**Example:- Declare an array**

int student\_marks[20];

char student\_name[10];

float numbers[5];

Array Size=n-1

For example we have ;1 2 7 8 9

Then Array Size is “4 “, it must be start with “0”.

Difference between implicit and explicit array:

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| --- | --- |
| **IMPLICIT ARRAY** | **EXPLICIT ARRAY** |
| 1.it refers to something indirect. | 1.it refers something clear and direct. |
| 2.when someone express something implicitly , there is room for confusion. | 2.when someone express something explicitly , there tends to be no confusion. |
| 3.The adverb form of implicit is implicitly. | 3.The adverb form of explicit is explicitly. |