

Arrays in C

Arrays:- Array is a data structure in C. By using array we can store multiple values at a time in a single variable.

For storing single values we use variables.

Condition:-

- We have to give same data type i.e., we can define an array with multiple values, but all those values should be of same data type.

How an array will be able to store multiple values in a single data type?

- When we define a variable, memory space is allocated to it for storing the value.

- But when we define an array, contiguous memory is allocated to it where multiple values are stored.

Structure of array in C

```
[type arrayname [arraysize];]
```

type → the type of data we are storing in array. we mention data-type.