

.NET > C#.NET > OOP

## Arrays

- by Harsha Vardhan

### Arrays

- Array is a group of multiple values of same data type.
- Each value of array is called "element".
- All the elements are stored in continuous memory locations.
- The address of first element of the array will be stored in the "array reference variable".
- The "Length" property stores count of elements of array. Index starts from 0 (zero).
- Arrays are treated as objects of "System.Array" class; so arrays are stored in heap; its address (first element's address) is stored in reference variable at stack.

Array	
[0]	value0
[1]	value1
[2]	value2
[3]	value3
[4]	value4
[5]	value5
[6]	value6

### Array

```
DataType[ ] arrayReferenceVariableName = new DataType[ size ];
```