

Chapter 4: Java Arrays

Arrays:

- Array is **group of element** of the **same type**.
- **Arrays are objects in Java** that store multiple variables of the same type.
- Arrays can hold either **primitives** or **object references**

Categories of Arrays

- The following are the categories of arrays:
 - One Dimensional Array
- **Multidimensional Array**
 - Two Dimensional Array
 - Three Dimensional Array
 - Four Dimensional Array
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Points to remember:

- To reference we cannot give sizes. ie. `int a[5]`.
- If the size of array is negative then we get exception: `NegativeArraySizeException`.
- Array elements are initialized with default values.
- Array indexing starts from 0 and if we go beyond the range then we get `ArrayIndexOutOfBoundsException`.