# Dynamic class array class

## Features

* Initialize the array with another array (Lvalue and Rvalue)
* Initialize the array with a size or with a size and values
* Allowing random access
* Can copy two arrays with by using the assignment operator (=) (Lvalue and Rvalue)
* Can use (==) or (!=) comparison
  + Two arrays are equal if they refer to the same memory locations
  + Two array aren’t equal if they don’t refer to the same memory locations
* Can append element to the back of the array
* Can append another array to the back of an array
* Can use pop back from an array
* Can print the size of elements in the array
* Can clear all the array’s elements
* Can check if the array is empty or not
* Can sort the array decreasing or increasing ( pass a begin iterator and an end iterator)
* Can use lower and upper bound functions
* Can swap between two array
* Can erase an iterator or a value (first value from left) in the array
* Has iterator and reversed iterator that return a pointers that refers to the memory location of elements