Immutable array

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Java array is mutable, meaning the elements in an array can be changed. However, to make an array immutable, you can use the Vector class.

Make an array final does not means it is immutable, because the value stored in an array variable is just the memory address where the actual array located, not the array itself. Therefore, making the array reference final, only gurantees that the variable always refers to the same array, but the values in the array can be changed.

An example of incorrect implementaion of immutable array

```
~/IdeaProjects/Algorithms_4th_edition/src> javac test.java
~/IdeaProjects/Algorithms_4th_edition/src> java test
3
3
```