

0.1 Problem 1

`Enum.valueOf` will throw one `IllegalArgumentException` exception, and this exception is caught in the code, and print “Sorry, no command”.

The size is 100, and the initial value is zero. In the beginning, where we declare the size and the array. We use `Array.toString()` to print the array.

Sometimes, it fails to find the element. We use `binarySearch()` to find the element, while binary search can only be used for sorted array.

Without the `break` statement, it will just continue execute the next case.

0.2 Problem 4

`String` is immutable, for immutable is generally easier to use and there are no obvious reasons to make them mutable.

`Integer` is immutable, for it makes sense that one number does not change.

`StringBuffer` is mutable, for it does not create temporary strings, if we need to construct one string using several steps.

`List` is mutable, for it acts as one container, and its state will change as its content changes.