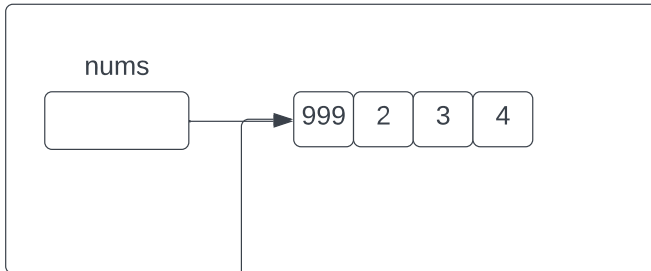# Why Deep-Copy (aka Defensive-Copy) when using References

main()

nums

999 2 3 4

An array or an object is a reference type

A reference has a variable that holds/references the actual location of the data in memory

When a reference is assigned another reference they both point to the same data in memory

A change to the data is reflected when using any reference to the data

AClass anObject

anArray

AClass anObject *(using defensive copy)*

anArray

1 2 3 4