Partition Test Plan

**Success Paths**

partition() - Unsorted array - pivot at end

partition() - Sorted (increasing) array - pivot at end

partition() - Sorted (decreasing) array - pivot at end

partition() - Unsorted negative pivot - correct pivot at end

partition() - single element array, return 0

swap() - array length>1, values swapped

swap() - array length == 1, no effect

**Failure Paths**

partition() - Null Array - void method does nothing

partition() - empty array - void method does nothing

swap() - array null, no effect

swap() - empty array, no effect