STARTING WITH ALGORITHMS
- SORTING

SORTING

THE ALGORITHM TO SORT ENTITIES
IN ASCENDING OR DESCENDING
ORDER IS AN INTERVIEW FAVORITE

THERE ARE MANY FLAVORS OF SORTING
ALGORITHMS WITH MARKEDLY DIFFERENT
COMPLEXITIES IN TIME AND SPACE

MANY MORE DIFFICULT INTERVIEW PROBLEMS
BUILD ON TOP OF SORTED ENTITIES,
UNDERSTANDING SORTING, AND ITS COMPLEXITY
FORMS A FOUNDATION FOR THESE

TRADEOFFS IN SORTING

WHAT IS THE COMPLEXITY OF THE ALGORITHM USED?	HOW DOES IT SCALE AS THE INPUT SIZE INCREASES?
HOW MUCH SPACE DOES IT OCCUPY?	DOES IT NEED EXTRA SPACE TO HOLD INFORMATION DURING SORTING?
IS THE SORT STABLE?	DO EQUAL ELEMENTS MAINTAIN THEIR ORIGINAL ORDER AFTER SORTING?
HOW MANY COMPARISONS AND HOW MANY ELEMENT SWAPS ARE NEEDED?	DO THE ALGORITHMS WORK BETTER WITH NEARLY SORTED LISTS?
IS THE SORT ADAPTIVE?	DOES IT BREAK EARLY WHEN THE LIST IS SORTED?