1. Assume you have a list of 5000 items in sorted order. Approximately how many comparisons (worst-case) will be made to find a particular item in the using a:

1. Linear search
2. Binary search

2. Assume the list of 5000 elements is unsorted. What are the implications of performing a:

1. Linear search
2. Binary search

3. Trace the code for a binary search.