

Read the lecture materials &/or reading materials to thoroughly & accurately answer the following questions.

1. Write out a for each loop that traverses an array named `scores` printing each element **on a different line of output** as it iterates.
2. What is another name for a sequential search?
3. What is a key?
4. What does Mr. Minich look for at Old Country Buffet using a linear search?
5. Describe a linear search that you use in real life? (i.e. something you look for sequentially)
6. Describe how the `boolean` flag variable `found` used in one of the sequential search algorithms in the Searching lecture notes?
7. How is the linear search algorithm for finding the maximum value in an array different from finding the number of occurrences of a key in an array?
8. On the back of the paper, write out a linear search algorithm that would find and display the number of occurrences of the "gold" in an array of `String`'s named `prizes`.