Exercise 4

Answer: Linked lists are data structures that do not allow data to be dynamically allocated/managed. In our linked list we require information of previous links to retrieve future links. Which means we do not index each link. When using a binary search, indexes are need to retrieve the middle element of the structure. Therefore we wouldn’t be able to use a binary search on a linked list. (Although you could traverse to the midpoint based on the number of links. But that would be much slower than a linear search)