Week 6 Quiz

Q1.

What's the time complexity to add a node to the head of a linked list?

    A. `O(1)`

    B. `O(logn)`

    C. `O(n)`

    D. `O(n^2)`

Q2.

Which of the following is a true disadvantage of using a linked list?

    A. Linked lists are not extendable

    B. It's expensive to add a node to the beginning of a linked list

    C. Once a node is added to a linked list, it cannot be deleted

    D. Linked lists do not provide efficient random access to elements

Q3.

What is the time complexity of resizing an array?

    A. `O(1)`

    B. `O(logn)`

    C. `O(n)`

    D. `O(n^2)`