1. If the List ADT is implemented using an array, then, an \( \text{get}(i) \) operation takes time \( O(1) \) and an \( \text{add}(i, e) \) operation takes time \( O(n) \).

2. If the List ADT is implemented using a doubly-linked list, then an \( \text{get}(i) \) operation takes time \( O(n) \) and an \( \text{add}(i, e) \) operation takes time \( O(n) \).

3. If the Positional List ADT is implemented using an array, then a \( \text{first}() \) operation takes time \( O(1) \) and an \( \text{add}(p, e) \) operation takes time \( O(n) \).

4. If the Positional List ADT is implemented using a doubly-linked list, then a \( \text{first}() \) operation takes time \( O(1) \) and an \( \text{add}(p, e) \) operation takes time \( O(1) \).

5. True or False (Circle one): An iterator is a software pattern that always provides random access to a data structure.