

# Apple Software Engineer Interview Questions

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- Implement a peek using a existing iterator next and hasNext function.
- What is the difference between weak and strong pointers
- Reverse a linked list recursively
- Why can't you use primitives in a hashmap.
- Traverse a binary tree recursively.
- Write a basic Fibonacci sequence implementation.
- How does delegation work?
- How does ARC work in Objective C, and how is it different from garbage collection?
- How would you design a data structure that is an array, but with so many elements such that the array almost fills up the entire RAM?
- How would you reverse a singly-linked list?
- What is the run time of a binary search tree.
- Find the most frequent element in an integer array.
- Is Java pass by value or pass by reference?
- What data structure would you use to auto complete a dialer when the phone may have thousands or hundreds of thousands of entries.