Difficulty level 1 question: Compare and contrast a stack and a queue data structure. **Difficulty level 1 question**: What is the difference between an algorithm and a data structure? **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 2 question**: What is the time complexity of searching in a binary search tree? **Difficulty level 3 question**: Discuss the concept of time complexity and its importance in algorithm analysis.

Difficulty level 1 question: Compare and contrast a binary tree and a binary search tree. **Difficulty level 1 question**: Compare and contrast a stack and a queue data structure. **Difficulty level 2 question**: What is the time complexity of searching in a binary search tree? **Difficulty level 2 question**: Describe the steps involved in performing a binary search algorithm on a sorted array. **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 1 question**: What is the difference between a breadth-first search (BFS) and a depth-first search (DFS) algorithm? **Difficulty level 2 question**: Describe the process of inserting a new element in a heap data structure and maintaining the heap property. **Difficulty level 2 question**: What is the time complexity of searching in a binary search tree? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 1 question**: Explain the concept of a trie data structure and its applications. **Difficulty level 2 question**: Discuss the difference between an array and a linked list data structure. **Difficulty level 2 question**: Explain the concept of graph traversal and differentiate between depth-first and breadth-first traversal. **Difficulty level 3 question**: Discuss the concept of time complexity and its importance in algorithm analysis.

Difficulty level 1 question: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 1 question**: Compare and contrast a binary tree and a binary search tree. **Difficulty level 2 question**: Explain the concept of graph traversal and differentiate between depth-first and breadth-first traversal. **Difficulty level 2 question**: What is the purpose of memoization in dynamic programming algorithms? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: Define the term "Big-O notation" and its significance in algorithm analysis. **Difficulty level 1 question**: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 2 question**: What is the purpose of memoization in dynamic programming algorithms? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: What is the difference between an algorithm and a data structure? **Difficulty level 1 question**: Explain the concept of a trie data structure and its applications. **Difficulty level 2 question**: Describe the steps involved in performing a binary search algorithm on a sorted array. **Difficulty level 2 question**: Describe the process of sorting an array using the quicksort algorithm. **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: Compare and contrast a stack and a queue data structure. **Difficulty level 1 question**: What is the difference between an algorithm and a data structure? **Difficulty level 2 question**: Describe the process of inserting a new element in a heap data structure and maintaining the heap property. **Difficulty level 2 question**: What are the basic operations in a linked list data structure? **Difficulty level 3 question**: Discuss the differences between a singly linked list and a doubly linked list.

Difficulty level 1 question: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 1 question**: Compare and contrast a binary tree and a binary search tree. **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 2 question**: Discuss the difference between an array and a linked list data structure. **Difficulty level 3 question**: Discuss the differences between a singly linked list and a doubly linked list.

Difficulty level 1 question: Define the term "Big-O notation" and its significance in algorithm analysis. **Difficulty level 1 question**: Compare and contrast a stack and a queue data structure. **Difficulty level 2 question**: Describe the process of sorting an array using the quicksort algorithm. **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 3 question**: Discuss the concept of time complexity and its importance in algorithm analysis.

Difficulty level 1 question: Compare and contrast a binary tree and a binary search tree. **Difficulty level 1 question**: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 2 question**: Describe the steps involved in performing a binary search algorithm on a sorted array. **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: Compare and contrast a stack and a queue data structure. **Difficulty level 1 question**: Explain the concept of a trie data structure and its applications. **Difficulty level 2 question**: Describe the process of inserting a new element in a heap data structure and maintaining the heap property. **Difficulty level 2 question**: What is the time complexity of searching in a binary search tree? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: What is the difference between an algorithm and a data structure? **Difficulty level 1 question**: What is the difference between a breadth-first search (BFS) and a depth-first search (DFS) algorithm? **Difficulty level 2 question**: What is the purpose of memoization in dynamic programming algorithms? **Difficulty level 2 question**: Describe the process of sorting an array using the quicksort algorithm. **Difficulty level 3 question**: Discuss the differences between a singly linked list and a doubly linked list.

Difficulty level 1 question: What is the difference between a breadth-first search (BFS) and a depth-first search (DFS) algorithm? **Difficulty level 1 question**: Compare and contrast a binary tree and a binary search tree. **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 2 question**: What are the basic operations in a linked list data structure? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: What is the difference between an algorithm and a data structure? **Difficulty level 1 question**: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 2 question**: Describe the process of inserting a new element in a heap data structure and maintaining the heap property. **Difficulty level 2 question**: Explain the concept of graph traversal and differentiate between depth-first and breadth-first traversal. **Difficulty level 3 question**: Discuss the differences between a singly linked list and a doubly linked list.

Difficulty level 1 question: Compare and contrast a binary tree and a binary search tree. **Difficulty level 1 question**: What is the difference between a breadth-first search (BFS) and a depth-first search (DFS) algorithm? **Difficulty level 2 question**: What are the basic operations in a linked list data structure? **Difficulty level 2 question**: Describe the steps involved in performing a binary search algorithm on a sorted array. **Difficulty level 3 question**: Discuss the concept of time complexity and its importance in algorithm analysis.

Difficulty level 1 question: What is the difference between a breadth-first search (BFS) and a depth-first search (DFS) algorithm? **Difficulty level 1 question**: Compare and contrast a binary tree and a binary search tree. **Difficulty level 2 question**: Explain the concept of graph traversal and differentiate between depth-first and breadth-first traversal. **Difficulty level 2 question**: What are the basic operations in a linked list data structure? **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: Compare and contrast a stack and a queue data structure. **Difficulty level 1 question**: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 2 question**: What is the time complexity of searching in a binary search tree? **Difficulty level 2 question**: Discuss the difference between an array and a linked list data structure. **Difficulty level 3 question**: Explain the concept of a hash table and its purpose.

Difficulty level 1 question: Compare and contrast a stack and a queue data structure. **Difficulty level 1 question**: Define the term "Big-O notation" and its significance in algorithm analysis. **Difficulty level 2 question**: Explain the concept of graph traversal and differentiate between depth-first and breadth-first traversal. **Difficulty level 2 question**: Explain the concept of recursion and discuss its advantages and disadvantages. **Difficulty level 3 question**: Discuss the concept of time complexity and its importance in algorithm analysis.

Difficulty level 1 question: What is the difference between an algorithm and a data structure? **Difficulty level 1 question**: What is the purpose of a priority queue data structure and how is it different from a normal queue? **Difficulty level 2 question**: What is the purpose of memoization in dynamic programming algorithms? **Difficulty level 2 question**: Describe the steps involved in performing a binary search algorithm on a sorted array. **Difficulty level 3 question**: Discuss the differences between a singly linked list and a doubly linked list.