Java Datastructures

Arrays

1. **How do you find the missing number in a given integer array of 1 to 100?**
2. **How do you find the duplicate number on a given integer array?**
3. **How do you find the largest and smallest number in an unsorted integer array?**
4. **How do you find duplicate numbers in an array if it contains multiple duplicates?**
5. **How are duplicates removed from a given array in Java?**
6. **How do you reverse an array in Java?**

Stack/ Queue

1. **Create a stack of 10 elements using arrays and perform push and pop operations.**
2. **Create a Queue of 10 elements using arrays and perform addition, deletion and search operations.**

Linked List

1. **How do you reverse a linked list? (**[**solution**](http://www.java67.com/2016/07/how-to-reverse-singly-linked-list-in-java-example.html)**)**
2. **How are duplicate nodes removed in an unsorted linked list? (**[**solution**](https://www.geeksforgeeks.org/remove-duplicates-from-an-unsorted-linked-list/)**)**
3. **How do you find the length of a singly linked list?**
4. **How do you find the sum of two linked lists using Stack? (**[**solution**](https://www.geeksforgeeks.org/sum-of-two-linked-lists/)**)**
5. **How do you implement Queue using linked list?**
6. **How do you implement Stack using linked list?**