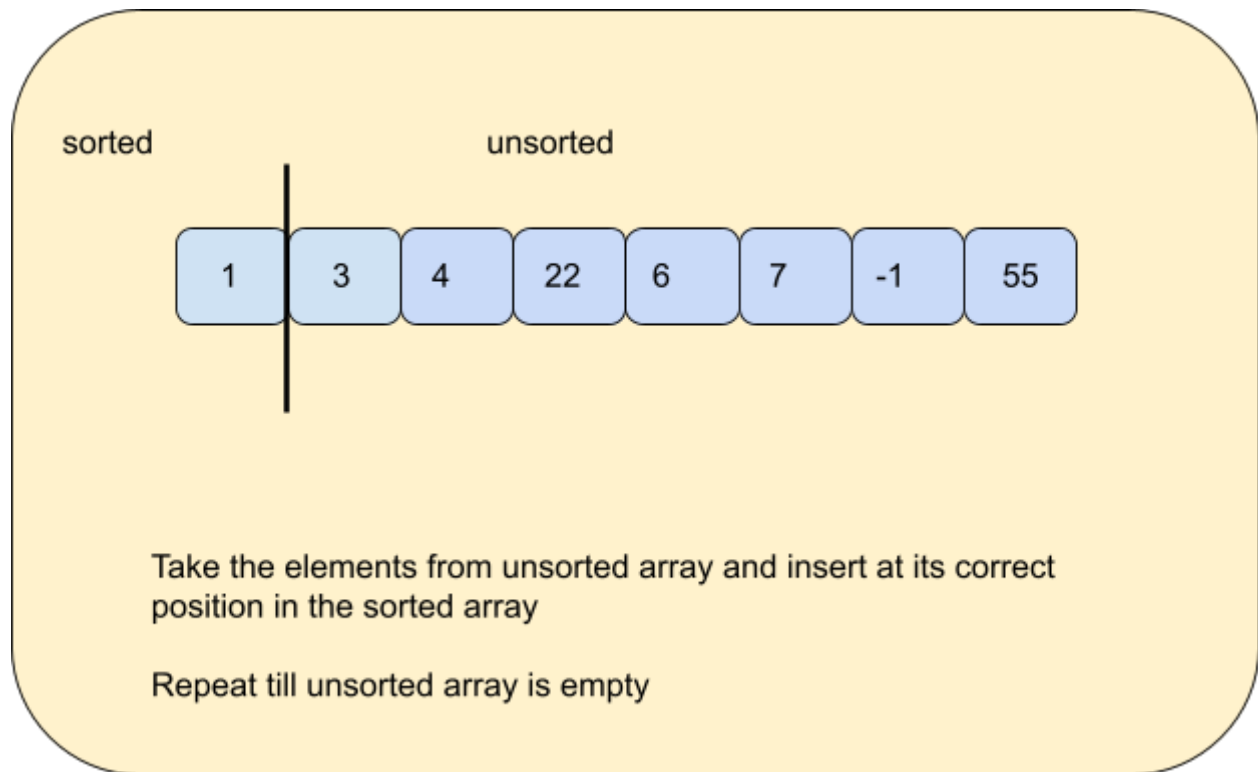
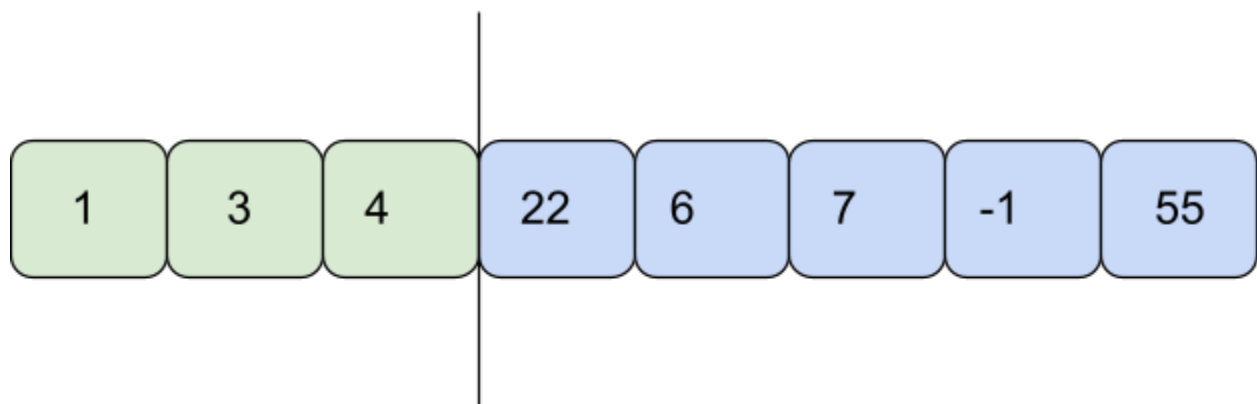
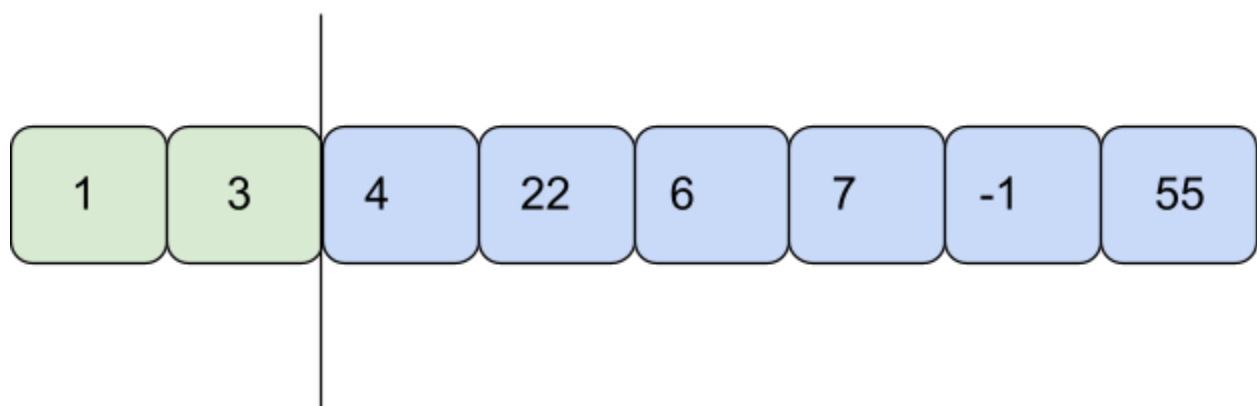
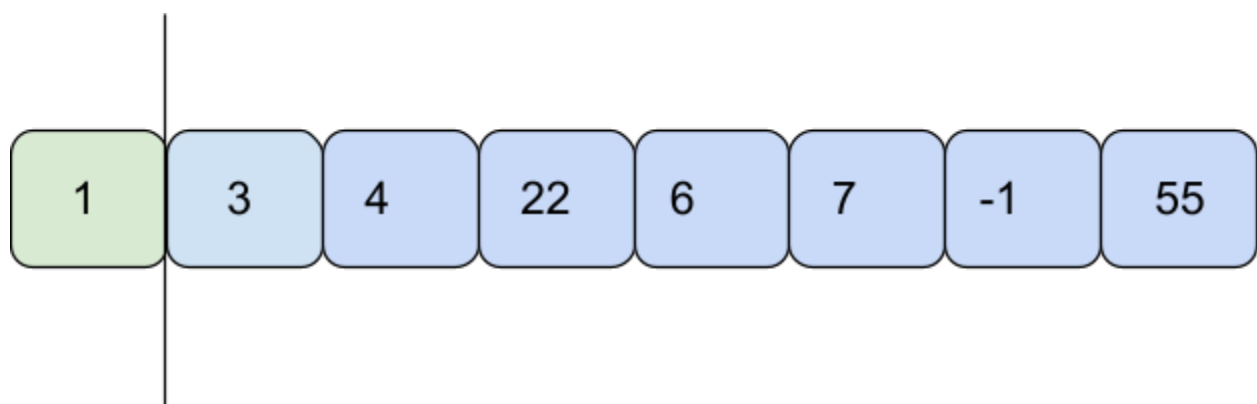
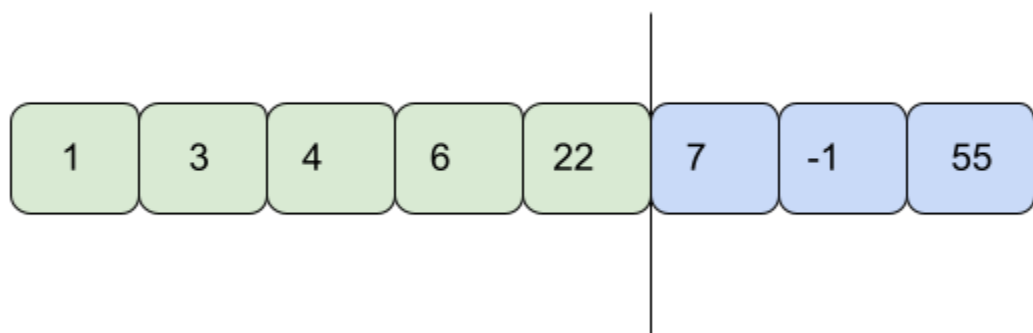
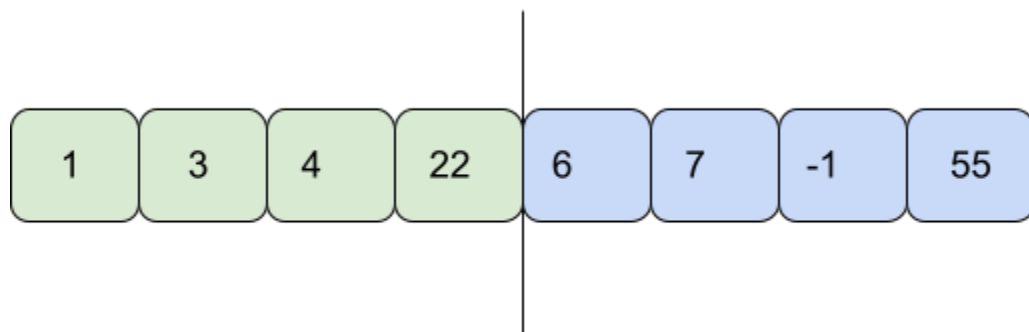
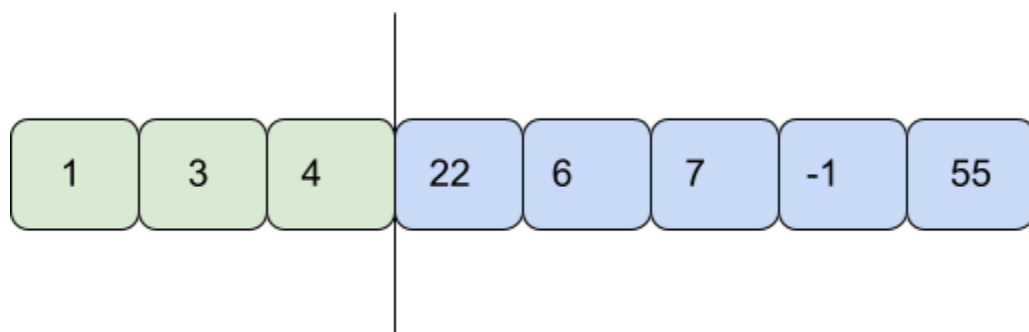


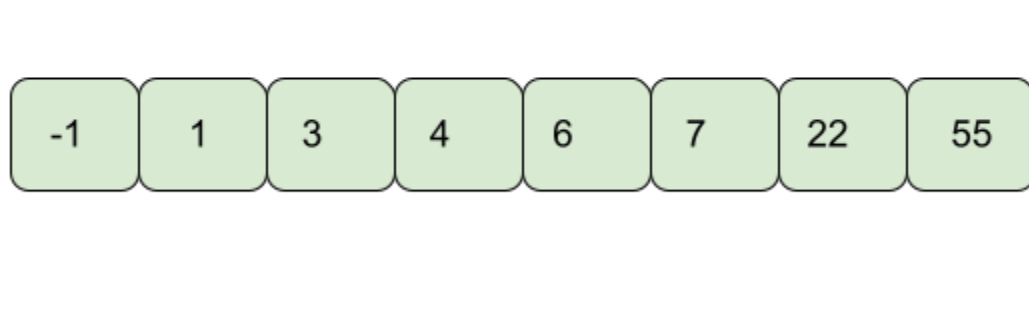
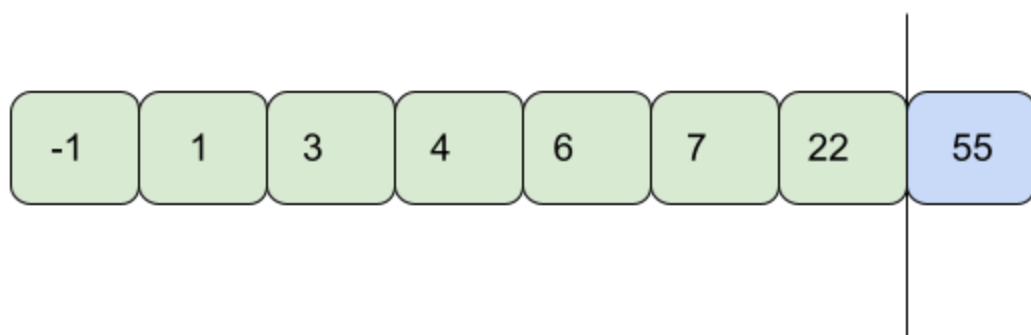
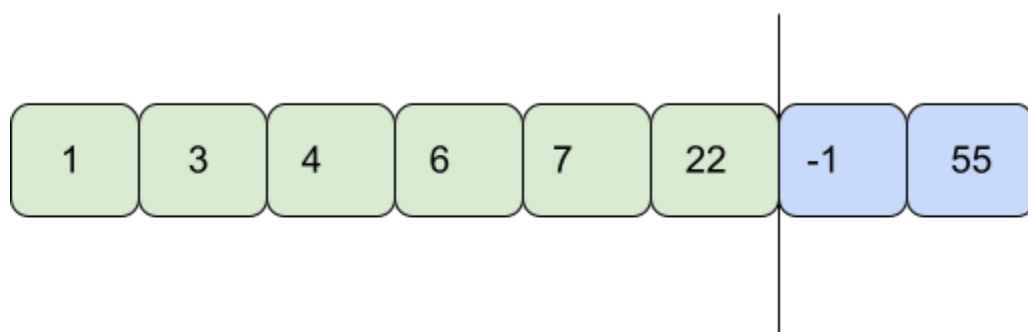
Insertion Sort

Basic Idea:









```
public static void insertionSort(int[] a) {  
  
    int n = a.length;  
  
    for (int i = 0; i < n; i++) {  
  
        // insert ith element in sorted portion  
  
        int j = i - 1;  
        int temp = a[i];  
  
        while (j >= 0 && a[j] > temp) {  
            a[j + 1] = a[j];  
            j--;  
        }  
  
        // position will be j+1  
  
        a[j + 1] = temp;  
  
    }  
  
}
```