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import java.util.Scanner;
public class SelectionSort {
  public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    System.out.print("Enter the number of elements: ");
    int n = scanner.nextInt();
    int[] arr = new int[n];
    System.out.println("Enter the elements:");
    for (int i = 0; i < n; i++) {
       arr[i] = scanner.nextInt();
    }
    System.out.println("Original Array:");
     printArray(arr);
    selectionSortAscending(arr);
     System.out.println("\nSorted Array (Ascending):");
     printArray(arr);
    selectionSortDescending(arr);
    System.out.println("\nSorted Array (Descending):");
    printArray(arr);
  }
  public static void selectionSortAscending(int[] arr) {
    int n = arr.length;
    for (int i = 0; i < n - 1; i++) {
       int minIndex = i;
      for (int j = i + 1; j < n; j++) {
         if (arr[j] < arr[minIndex]) {</pre>
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minIndex = j;
      }
    }
    if (minIndex != i) {
       int temp = arr[i];
       arr[i] = arr[minIndex];
       arr[minIndex] = temp;
    }
  }
}
public static void selectionSortDescending(int[] arr) {
  int n = arr.length;
  for (int i = 0; i < n - 1; i++) {
    int maxIndex = i;
    for (int j = i + 1; j < n; j++) {
       if (arr[j] > arr[maxIndex]) {
         maxIndex = j;
      }
    }
    if (maxIndex != i) {
       int temp = arr[i];
       arr[i] = arr[maxIndex];
       arr[maxIndex] = temp;
    }
  }
}
public static void printArray(int[] arr) {
  for (int num : arr) {
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System.out.print(num + " ");
   }
   System.out.println();
 }
}
Enter the number of elements: 3
Enter the elements:
2
4
3
Original Array:
243
Sorted Array (Ascending):
234
Sorted Array (Descending):
```

432