Selection Sort

```
public class SelectionSort {
    public static void sort(int[] array) {
        for (int i = 0; i < array.length - 1; i++) {
            int minIndex = i; // Start by assuming the first element is the minimum


            // Find the smallest element in the unsorted section of the array
            for (int j = i + 1; j < array.length; j++) {
                if (array[j] < array[minIndex]) {
                    minIndex = j; // Update the index of the minimum element
                }
            }
            // Swap the found minimum element with the first element of the unsorted section
            int temp = array[minIndex];
            array[minIndex] = array[i];
            array[i] = temp;
        }
    }
    public static void main(String[] args) {
        int[] data = {64, 25, 12, 22, 11};
        sort(data);
        for (int num : data) {
            System.out.print(num + " ");
        }
    }
}
```

OUTPUT→ 11 12 22 25 64