

```
SortingArray
package SortingArray;

public class Sorting {

    public static void main(String[] args) {
        int[] numbers = {3, 8, 2, 7, 1, 9};

        // print before
        System.out.println("before sort: ");
        for (int e : numbers) {
            System.out.print(e + ", ");
        }
        System.out.println();

        // choose one sort
        bubbleSort(numbers);
        selectionSort(numbers);
        insertionSort(numbers);
        quickSort(numbers);
        mergeSort(numbers);

        // print after
        System.out.println("after sort: ");
        for (int e : numbers) {
            System.out.print(e + ", ");
        }
        System.out.println();
    }
}
```

→ main method

نطبع قبل الترتيب

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نطبع بعد الترتيب

bubble sort

Selection sort + swap method

insertion sort

quick sort + swap method

merge sort