String[] city = { "t", "o", "k", "y", "o" };

System.out.println("Unsorted Array = " + Arrays.toString(city));

Arrays.parallelSort(city);

System.out.println("Sorted Array = " + Arrays.toString(city));

int index = Arrays.binarySearch(city, "X");

if (index < 0) {

System.out.println("X not found in the array");

} else {

System.out.println("X found in the array");

}