Korn Rojrattanapanya (64010009)

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import java.util.Scanner;
public class Lab2_Pro3_64010009 {
     public static void main(String[] args) {
           Scanner scanner = new Scanner(System.in);
           String city_first, city_second, city_third;
           while (true) {
                 System.out.print("Enter the first city: ");
                 city_first = scanner.nextLine();
                 if (!city_first.isBlank() && city_first.charAt(0) \geq 'A' && city_first.charAt(0) \leq 'Z')
                 System.out.println("ERROR: invalid city name");
           while (true) {
                 System.out.print("Enter the second city: ");
                 city_second = scanner.nextLine();
                 if (!city_second.isBlank() && city_second.charAt(0) \geq 'A' && city_second.charAt(0) \leq 'Z')
                 System.out.println("ERROR: invalid city name");
                 System.out.print("Enter the third city: ");
                 city_third = scanner.nextLine();
                 if (!city_third.isBlank() && city_third.charAt(0) \geq 'A' && city_third.charAt(0) \leq 'Z')
                 System.out.println("ERROR: invalid city name");
           scanner.close();
           String result;
           if (city_first.compareTo(city_second) < 0 && city_first.compareTo(city_third) < 0) {</pre>
                 if (city_second.compareTo(city_third) < 0) {
    result = city_first + " " + city_second + " " + city_third;</pre>
                       result = city_first + " " + city_third + " " + city_second;
           } else if (city_second.compareTo(city_first) < 0 && city_second.compareTo(city_third) < 0) {
                 if (city_first.compareTo(city_third) < 0) {
    result = city_second + " " + city_first + " " + city_third;</pre>
                 } else {
                       result = city_second + " " + city_third + " " + city_first;
                 if (city_second.compareTo(city_first) < 0) {
    result = city_third + " " + city_second + " " + city_first;</pre>
                 } else {
                       result = city_third + " " + city_first + " " + city_second;
           System.out.println("The three cities in alphabetical order are " + result);
```