

Distance between 2 points

```
package ClassExercises;

import java.util.Scanner;

public class DistanceBetweenCities {

    public static void main(String[] args) {
        // Distance formula - google.
        Scanner in = new Scanner(System.in);

        System.out.print("City 1 Lat: ");
        double City1Lat = in.nextDouble();

        System.out.print("City 1 long: ");
        double City1Long = in.nextDouble();

        System.out.print("City 2 lat: ");
        double City2Lat1 = in.nextDouble();

        System.out.print("City 2 long: ");
        double City2Long = in.nextDouble();

        double distance = Math.sqrt(Math.pow((City2Lat1-City1Lat), 2) +
Math.pow((City2Long-City1Long), 2)) ;
        System.out.print("Distance: " + distance);

        in.close();

    }
}
```