

BASE ASSIGNMENT

Issue #	Line #	Issue Description	<u>Clean Code</u> Practice Name	Suggested Change
1	11 and 12	My variable names here are not descriptive enough and need comments for you to make sense of them	Chapter 2: Intention Revealing Names	Changed the variables to place1Long, place1Lat, Place2Long, Place2Lat. And simply change the variable dist, to distance incase of any short change confusion.
2	16-36	A lot is being done here ruining readability and overwhelming the reader making the code a lot harder to understand at a glance. Breaking up into methods and adding proper method names could help this issue greatly.	Chapter 2: Methods and Method Names.	Create a method for calculate distance between two points in the world.
3	16-36	In these lines of code you are bunching a lot of information together and thus breaking command query separation as this code here does both operation and return values.	Chapter 3: Command Query Separation	Create two methods like said prior to do the proper operations and then use main to just return a value
4	Most of code	Currently this program has no structure to it just a set of jumbled up together code in the main function that makes it difficult to understand especially if an issue were to arise here.	Chapter 3: Structured Programming	Make main a lot simpler by creating other methods and then using whitespace and indentations to properly make code look nice and a lot easier for readability
5	33	Redundant comment here that just takes up unnecessary space basically saying the saying thing from the code into the comments.	Chapter 4: Redundant Comments	Delete the comment all together as the code is very self-explanatory
6	1-2	The documentation here is very simple and doesn't explain the program well enough for someone to understand exactly what will happen in the code if they did not read it.	Chapter 4: Public API's	Change the Documentation above to read "A program to properly calculate the distance between two locations on Earth. User inputs the latitude and longitude of two separate location and distance is calculated appropriately"

7	9,16,26,31	Lack of vertical openness and use of whitespace makes everything look very jumbled up together	Chapter 5: Vertical openness	Very jumbled together with not much space between any two lines needs to be more spaced out for better readability.
8	27-30	This code is particularly confusing as all these numbers and operations are too tight together overwhelming the reader and leading the reader to stop and get confused a little bit. Doesn't allow for clear readability if a space was to be put between numbers and operations	Chapter 5: Horizontal Alignment	Change them to read for example <code>blank = blank * (pi / 180);</code>

<https://github.com/jtekelis/originalCode.git>