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| --- | --- | --- | --- | --- | --- |
| **LEARNING PROFILE FOR ASSIGNMENT#\_1\_\_\_\_\_ AND QUESTION#\_3\_\_\_\_\_\_\_** | | | | | |
| *Name* | *:* | *Steven Morrissey* | *Due Date* | *:* |  |
| *Student ID* | *:* | *3300222* | *Submission Date* | *:* |  |

**1. Problem Statement:**

Write a program that prompts the user to enter two points (x1, y1) and (x2, y2). Calculate and display the distance between the two points using the formula below. Round the answer up to 2 decimal points. You can use Math.pow(a,0.5) to compute the square root of an expression. Math.pow() returns a double.

**2. Description of the Code:**

The code was straight forward. I implemented it exactly as the API specified: using the built in Java Math library I calculated the squares and square root to find the distance between two given points.

**3. Errors and Warnings:**

Table 1: List of Errors and Warnings Encountered in the Program

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Errors / Warnings** | **Details** | **How I solved them** |
| 1 | none |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

**4. Sample Input and Output:**

**Case 1: user enters X1 as-2, Y1 as -3, X2 as -4, Y2 as 4 and the result is 7.28 as specified in the API**

**5. Discussion:**

None, it was straight forward.