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CMIS 242: Intermediate Programming

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Assignment 3 Test Cases:

Set 1: Distance Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 1 | 32 | 0.0 | 0.0 | Pass |

GUI Screenshot:

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Result Screenshot:

Graphical user interface, application

Description automatically generated

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 2 | 50 | 10.0 | 10.0 | Pass |

Result Screenshot:

Graphical user interface, application

Description automatically generated

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 3 | 74.7 | 23.72 | 23.7222222 | Pass |

Result Screenshot:

Graphical user interface, application

Description automatically generated

Set 2: Temperature Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 1 | 17.1 | 27.52 | 27.5139 | Pass |

Result Screenshot:

Graphical user interface, application

Description automatically generated

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 2 | 1 | 1.609344 | 1.609 | Pass |

Result Screenshot:

Graphical user interface, application

Description automatically generated

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 3 | 0 | 0 | 0.0 | Pass |

Result Screenshot:

Graphical user interface, application

Description automatically generated

Final: Exit Test Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input Value | Expected Result | Actual Result | Pass/Fail |
| 1 | N/A | Window closes as program exits. | Window closes as program exits. | Pass |

Result Screenshot (After Window Closed):

Graphical user interface, text, application, email

Description automatically generated

Conclusion: All test cases passed, as all of the actual results were the same as the expected results. The program also exits as expected.