Coin-to-dollar value converter

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# Program Description

This program is used to collect the total value of coins you have and display what that value is

# Input

* Integer, the number of pennies you have
* Integer, the number of nickels you have
* Integer, the number of dimes you have
* Integer, the number of quarters you have

# Output

* [add list of program outputs]

# Test Plan Overview

Primary focus is testing that data input validation is being performed correctly, and that large quantity data is being calculated correctly.

# Test Cases

## Test Case 1: String into int

|  |  |
| --- | --- |
| **Summary** | Check error handling of string in int input |
| **Test Procedure** | Enter string into penny |
| **Test Data** | U |
| **Expected Result** | Invalid integer. |

## Test Case 2: Negative int input

|  |  |
| --- | --- |
| **Summary** | Check error catching of negative integer |
| **Test Procedure** | Enter -4 into one input, positive into others |
| **Test Data** | 6, -5, 1, 9 |
| **Expected Result** | Var dataInvid = 50; print error message “Value nickel is less than zero” |

## Test Case 3: Null input (all)

|  |  |
| --- | --- |
| **Summary** | Check handling of null data in program |
| **Test Procedure** | Just spam enter into all inputs |
| **Test Data** | , , , |
| **Expected Result** | Invalid integer. |

## Test Case 3: Null input (single)

|  |  |
| --- | --- |
| **Summary** | Check handling of null data in program |
| **Test Procedure** | Enter null data into an input |
| **Test Data** | 5, , 1, 3 |
| **Expected Result** | Invalid integer. |

## Test Case 4: really-really-really-really-really-really long int input

|  |  |
| --- | --- |
| **Summary** | Checks if Python explodes after entering an absurd amount of data |
| **Test Procedure** | Enter a num larger than the entire 2022 global gross domestic product |
| **Test Data** | 12345678901234567890, 12345678901234567890, 12345678901234567890, 12345678901234567890 |
| **Expected Result** | The total value of your coins is: $5061728349506172928.00 |