

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