**Requirements**

The program should take in a sentence written like standard English that mentions amounts of coins.

Each part of the sentence will have a number and a coin type, such as "3 dimes" or "1 penny".

Coin types program needs to read:

* Penny / Pennies
* Nickel / Nickels
* Dime / Dimes
* Quarter / Quarters

The sentence can include multiple coin types. They’ll be separated using the word "and", like "2 nickels and 1 dime".

There won’t be any punctuation at the end of the sentence.

The program should add up the value of the coins based on these amounts:

* Penny = $0.01
* Nickel = $0.05
* Dime = $0.10
* Quarter = $0.25

The final answer should be shown as a dollar amount, rounded to two decimal places. Example: 0.41

You can assume the user will always type in the sentence the right way—no need to worry about weird or broken input.

The program doesn’t need to handle any coins besides the ones listed above.

It should be able to handle big numbers too, like 100 pennies or 50 quarters, without breaking.  
  
**Psuedo Code ( Python )**

Start

1. Make a dictionary that matches coin names to how much they're worth

- Include both singular and plural names (like penny and pennies)

2. Ask the user to type a sentence with coin amounts (like “2 nickels and 3 dimes”)

3. Split the sentence into a list of words

4. Set a variable called total to 0

5. Loop through the list of words:

- If a word is a number:

- Look at the next word (it should be the coin type)

- Check if the coin is in the dictionary

- If it is:

- Multiply the number by the coin value

- Add that to total

6. After the loop, print the total

- Round it to two decimal places

**End**

**Sprint 1 Test Cases Ran**

* Give me 5 dimes and two nickels: Passed
* What is 1100 quarters: Passed
* Show me 100 pennies: Passed
* 20 pennies: Passed

Bugs encountered:

No bugs encountered apart from slight syntax errors encountered along the way. No logical errors encountered.