

DEFINE a dictionary COIN_CENTS that maps coin names to their values in cents:

```
"penny" -> 1
"pennies" -> 1
"nickel" -> 5
"nickels" -> 5
"dime" -> 10
"dimes" -> 10
"quarter" -> 25
"quarters"-> 25
```

FUNCTION parse_sentence(sentence):

```
    CONVERT sentence to lowercase
    STRIP leading and trailing spaces
```

SPLIT sentence on " and " into a list of coin_groups

SET total_cents = 0

FOR each group in coin_groups:

```
    STRIP spaces from group
    SPLIT group by spaces into [quantity_string, denomination]
    CONVERT quantity_string to integer quantity
    LOOK UP denomination in COIN_CENTS to get coin_cents
    ADD (quantity * coin_cents) to total_cents
```

RETURN total_cents

MAIN PROGRAM:

```
READ input sentence
CALL parse_sentence to get total_cents
CONVERT total_cents to dollars as total_cents / 100.0
FORMAT result to two decimal places
PRINT result
```