

Check for Mistakes in this Word Problem: flower-name

Directions: You are putting together a list of flowers in your garden based on their color. You have red roses, purple tulips, and yellow daisies. Write a function that takes in the color of a flower and returns the name of the flower.

Contract and Purpose Statement

Every contract has three parts...

; flower-name : string → string
function name domain range

; Takes the name of the flower and returns its color
what does the function do?

Examples

Write some examples, then circle and label what changes...

(EXAMPLE(flower-name "red") "rose")
function name input(s) what the function produces

(EXAMPLE(flower-name "tulip") "purple")
function name input(s) what the function produces

(EXAMPLE(flower-name "yellow") "daisy")
function name input(s) what the function produces

Definition

Write the definition, given variable names to all your input values...

(define(flower-name color)
function name variables

(cond

[(string=? color "red") "rose"]

[(string=? color "purple") "tulip"]

[(string=? color "yellow") "daisy"]

[else "That flower isn't in the garden!"]))