

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...

;	<u>flower-name</u>	:	<u>string</u>	→	<u>string</u>
	<small>function name</small>		<small>domain</small>		<small>range</small>

;

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(<u>flower-name</u>		<u>"red"</u>)	<u>"rose"</u>)
	<small>function name</small>		<small>input(s)</small>		<small>what the function produces</small>	

(EXAMPLE(<u>flower-name</u>		<u>"tulip"</u>)	<u>"purple"</u>)
	<small>function name</small>		<small>input(s)</small>		<small>what the function produces</small>	

(EXAMPLE(<u>flower-name</u>		<u>"yellow"</u>)	<u>"daisy"</u>)
	<small>function name</small>		<small>input(s)</small>		<small>what the function produces</small>	

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!"]))