

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

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

(EXAMPLE(flower-name	"yellow")	"daisy")
	<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)
	<small>function name</small>	<small>variables</small>	

(cond

[(string=? color "red")	"rose"]
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[(string=? color "purple")	"tulip"]
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[(string=? color "yellow")	"daisy"]
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[else:"That flower isn't in the garden!"]])
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