

## 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 )  
  function name      variables  
  (cond  
    [(string=? color "red") "rose"]  
    [(string=? color "purple") "tulip"]  
    [(string=? color "yellow") "daisy"]  
    [else "That flower isn't in the garden!" ]))
```