

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 ...

<code>;</code>	<code>flower-name</code>	<code>:</code>	<code>string</code>	<code>→</code>	<code>string</code>
	<hr/>		<hr/>		<hr/>
	<i>function name</i>		<i>domain</i>		<i>range</i>
<code>;</code>	<code>Takes the name of the flower and returns its color</code>				
	<hr/>				
	<i>what does the function do?</i>				

Examples

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

<code>(EXAMPLE(</code>	<code>flower-name</code>	<code>"red"</code>	<code>)</code>	<code>"rose"</code>	<code>)</code>
	<hr/>	<hr/>		<hr/>	
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	
<code>(EXAMPLE(</code>	<code>flower-name</code>	<code>"tulip"</code>	<code>)</code>	<code>"purple"</code>	<code>)</code>
	<hr/>	<hr/>		<hr/>	
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	
<code>(EXAMPLE(</code>	<code>flower-name</code>	<code>"yellow"</code>	<code>)</code>	<code>"daisy"</code>	<code>)</code>
	<hr/>	<hr/>		<hr/>	
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

Definition

Write the definition, giving 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!"  
  ))
```