

## 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!" ]))