

## 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!" ]))
```