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...

; <u>flower-name</u> : <u>string</u> → <u>string</u>
   function name   *domain*   *range*

; <u>Takes the name of the flower and returns its color</u>
           what does the function do?

Examples ☐

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

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

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

(EXAMPLE(<u>flower-name</u> <u>"yellow"</u>) <u>"daisy"</u>)
       function name   *input(s)*   *what the function produces*

Definition ☐

Write the definition, given variable names to all your input values...

(define(<u>flower-name</u> <u>color</u>)
       function name   *variables*

    (cond <u>   </u>

      [(string=? color "red") <u>   </u> "rose" <u>   </u>]

      [(string=? color "purple") <u>   </u> "tulip" <u>   </u>]

      [(string=? color "yellow") <u>   </u> "daisy" <u>   </u>]

      [else <u>   </u> "That flower isn't in the garden!" <u>   </u>]))