

The Design Recipe

Directions: Write a function `marquee` that takes in a message and returns that message in large gold letters.

Contract and Purpose Statement

Every contract has three parts...

marquee:: String -> Image
function name domain range

Takes in a message and returns an image of it in large gold letters

what does the function do?

Examples

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

examples:

marquee ("Hooray!") is text("Hooray!", 70, "gold")
function name input(s) what the function produces

marquee ("Marquee works") is text("Marquee works", 70, "gold")
function name input(s) what the function produces

end

Definition

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

fun marquee(message):
function name variable(s)
text(message, 70, "gold")
what the function does with those variable(s)

end

Directions: Write a function `circle-area` that takes in a radius and returns the area of the circle.

Contract and Purpose Statement

Every contract has three parts...

circle-area:: Number -> Number
function name domain range

Takes in the radius, squares it, multiplies it by pi and returns the area

what does the function do?

Examples

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

examples:

circle-area (1) is 3.14 * num-sqr(1)
function name input(s) what the function produces

circle-area (3) is 3.14 * num-sqr(3)
function name input(s) what the function produces

end

Definition

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

fun circle-area(radius):
function name variable(s)
3.14 * num-sqr(radius)
what the function does with those variable(s)

end