The Design Recipe

Directions: Write a function `moving` that takes in the days and number of miles driven and returns the cost of renting a truck. The truck is $55 per day and each driven mile is 15¢.

Contract and Purpose Statement

Every contract has three parts...

\# _____ :: _____ -> _____
    function name   *domain*   *range*

\# _____
             what does the function do?

Examples

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

examples:

_____ (_____) **is** _____
   function name   *input(s)*   *what the function produces*

_____ (_____) **is** _____
   function name   *input(s)*   *what the function produces*

end

Definition

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

fun _____ (_____):
      function name   *variable(s)*

_____
         what the function does with those variable(s)

end

Directions: Write a function `lawn-area` that takes in the length and width of a rectangular lawn and returns its area.

Contract and Purpose Statement

Every contract has three parts...

\# _____ :: _____ -> _____
    function name   *domain*   *range*

\# _____
             what does the function do?

Examples

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

examples:

_____ (_____) **is** _____
   function name   *input(s)*   *what the function produces*

_____ (_____) **is** _____
   function name   *input(s)*   *what the function produces*

end

Definition

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

fun _____ (_____):
      function name   *variable(s)*

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         what the function does with those variable(s)

end