

Word Problem: order

Directions : Alice's Restaurant has hired you as a programmer. They offer the following menu items: hamburger (\$6.00), onion rings (\$3.50), fried tofu (\$5.25) and pie (\$2.25). Write a function called `order` which takes in the name of a menu item and outputs the price of that item.

Contract and Purpose Statement

Every contract has three parts...

order:: String -> Number
function name *domain* *range*

Given a item, produce the cost of that item

what does the function do?

Examples

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

examples:

<u>order</u>	<u>(</u>	<u>"hamburger"</u>	<u>)</u>	<u>is</u>	<u>6.00</u>
<i>function name</i>		<i>input(s)</i>			<i>what the function produces</i>
<u>order</u>	<u>(</u>	<u>"pie"</u>	<u>)</u>	<u>is</u>	<u>2.25</u>
<i>function name</i>		<i>input(s)</i>			<i>what the function produces</i>
<u></u>	<u>(</u>	<u></u>	<u>)</u>	<u>is</u>	<u></u>
<i>function name</i>		<i>input(s)</i>			<i>what the function produces</i>
<u></u>	<u>(</u>	<u></u>	<u>)</u>	<u>is</u>	<u></u>
<i>function name</i>		<i>input(s)</i>			<i>what the function produces</i>

end

Definition

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

fun order(item):
function name *variable(s)*

ask:

<u>topping == "hamburger"</u>	<u>then:</u>	<u>6.00</u>
<u>topping == "onion rings"</u>	<u>then:</u>	<u>3.50</u>
<u>topping == "fried tofu"</u>	<u>then:</u>	<u>5.25</u>
<u>topping == "pie"</u>	<u>then:</u>	<u>2.25</u>

end

end