Example Calculation Question - use with various platforms and frameworks

**QUESTION ONE - Calculate the Price of Fish - UPGRADE with TYPES OF FISH!**

Inputs are:

* **length** of fish in centimetres.
* **weight** of fish in kilograms.
* **typeCode** of fish eg "sh" (Shark), "gp" (Guppy), "tu" (Tuna), "bf" (Blowfish).

Output is:

* **price** of fish in dollars.

Calculation formula is:  
 **price = ((length x 0.2) + (weight x 5)) \* typeFactor**  
 Inputs need processing to give the derived value typeFactor to use in the formula.

Type Input typeCode typeFactor

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Shark "sh" 1.0

Guppy "gp" 0.6

Tuna "tu" 1.3

Blowfish "bf" 1.9

**NOTE – there’s more!**

**IF** the **length** of the fish is LESS THAN 15 centimetres   
**THEN** that is an invalid fish because it is illegal to catch and sell fish that small.

Your method (function) needs to respond to that with an appropriate error message response

Include code for any relevant validations.

Return suitable error messages for error conditions.

Include relevant self-documentation eg comments, helpful variable names, clear constructs.

Supply a test string as a comment which can be copied and pasted into a web browser url address field

Create and test this Remote Service.