

Function terminology

Friday, February 4, 2022 1:57 PM

name of function

inputs/parameters/arguments

types of the inputs

out type
(type of the output)

```
1 use context essentials2021
2 fun pen-cost(num-pens :: Number, msg :: String) -> Number:
3   doc: "Computes the cost of order num-pens number of pens with msg on them"
4   num-pens * (0.25 + (string-length(msg) * 0.02))
5 end
```

documentation
/ doc string

Body

pen-cost(3, "k")

```
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```

DIR
pen-cost →
func. on
line 2

$$3 * (0.25 + (1 * 0.02)) \rightarrow 3 * (0.25 + 0.02)$$

$$\rightarrow 3 * 0.27$$

$$\rightarrow 0.81$$

pressing "run" when functions are defined on the left of a pyret window adds those functions to the directory

pen-cost(3, "k") looks in the directory, makes a "copy" of the function body (internally), and replaces the inputs with their respective values

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