

What Table Do We Get?

You have the following functions defined below (read them *carefully!*):

```
fun lookup-fixed(animal): animal["fixed"]           end
fun is-dog(animal):      animal["species"] == "dog"   end
fun is-old(animal):      animal["age"] > 10          end
fun label(animal):       text(animal["name"], 20, "red") end
```

The table `t` below represents four animals from the shelter:

name	sex	age	fixed	species	pounds
"Toggle"	"female"	12	true	"dog"	48
"Fritz"	"male"	4	false	"dog"	92
"Nori"	"female"	6	true	"dog"	35.3
"Sunflower"	"female"	2	false	cat	51.6

Below are a list of expressions that use table methods. What table do we get, after evaluating each one? *Match* each expression (left) to the table we get (right).

`t.order-by("age", true)` **1**

A Produces a table with Toggle, Fritz, and Nori - but not Sunflower.

`t.order-by("pounds", false)` **2**

B Produces a table of all four animals, sorted youngest-to-oldest

`t.build-column("sticker", label)` **3**

C Produces a table, with only Toggle.

`t.filter(is-old)` **4**

D Produces an identical table with an extra column called "dog", whose values are true, true, true, false

`t.filter(lookup-fixed)` **5**

E Produces a table containing only Nori and Toggle.

`t.filter(is-dog)` **6**

F Produces a table with all four animals, sorted from heaviest to lightest.

`t.build-column("dog", is-dog)` **7**

G Won't run: will produce an error

`t.filter(label)` **8**

H Produces an identical table with an extra column called "sticker", whose values are images