

Chaining Methods

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

```
fun is-fixed(r): r["fixed"]                end
fun is-young(r): r["age"] < 4              end
fun nametag(r):  text(r["name"], 20, "red") end
```

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

name	sex	age	fixed	pounds
"Toggle"	"female"	3	true	48
"Fritz"	"male"	4	true	92
"Nori"	"female"	6	true	35.3
"Maple"	"female"	3	true	51.6

Match each Pyret expression (left) to the description of what it does (right).

- | | | | |
|--|----------|---|--|
| <code>t.order-by("age", true)</code> | 1
(C) | A | Produces a table containing only Toggle and Maple |
| <code>t.filter(is-fixed)</code> | 2
(F) | B | Produces a table of only young, fixed animals |
| <code>t.build-column("sticker",
nametag)</code> | 3
(D) | C | Produces a table, sorted youngest-to-oldest |
| <code>t.filter(is-young)</code> | 4
(A) | D | Produces a table with an extra column, named "sticker" |
| <code>t.filter(is-young)
.filter(is-fixed)</code> | 5
(B) | E | Produces a table containing Maple and Toggle, in that order |
| <code>t.filter(is-young)
.order-by("pounds",
false)</code> | 6
(E) | F | Produces a table containing the same four animals |
| <code>t.build-column("label",
nametag)
.order-by("age", true)</code> | 7
(H) | G | Won't run: will produce an error |
| <code>t.order-by("gendr", false)</code> | 8
(G) | H | Produces a table with an extra "label" column, sorted youngest-to-oldest |