

```
1 students = [(1, 99), (2, 60), (3, 55)]  
2 matchFirst key (k, v) = k == key  
3 filterById = filter (matchFirst '1') students
```

Eq a ⇒ a → (a, b) → Bool

((Int, Int) → Bool) → [(Int, Int)] → [(Int, Int)]

Int → (Int, Int) → Bool

Char

Why does matchFirst have this type

Where is matchFirst defined

Where is matchFirst used

matchFirst has the type
Int → (Int, Int) → Bool, because:

- Its definition suggests the type
Eq a ⇒ a → (a, b) → Bool
- ❖ Hover on the definition to ask Why
- It is in the first argument of filter,
whose type is
(Int, Int) → Bool → [(Int, Int)] → [(Int, Int)]
- ❖ Hover on filter to ask Why