





-- HIRE CONDITION

use> !c1.hire(e1)

use> !c1.hire(e2)

use> !c1.hire(e1)

[Error] 1 precondition in operation call `Company::hire(self:c1, p:e1)' does not hold:

pre1: self.employee->excludes(p)

self : Company = c1

self.employee : Set(Person) = Set{e1,e2}

p : Person = e1

self.employee->excludes(p) : Boolean = false

call stack at the time of evaluation:

1. Company::hire(self:c1, p:e1) [caller: c1.hire(e1)@<input>:1:0]

+-----+

| Evaluation is paused. You may inspect, but not modify the state. |

+-----+

Currently only commands starting with `?', `:', `help' or `info' are allowed.

`c' continues the evaluation (i.e. unwinds the stack).

> c

Error: precondition false in operation call `Company::hire(self:c1, p:e1)'.

--FIRE CONDITION

use> !c1.fire(e1)

use> !c1.fire(e1)

[Error] 1 precondition in operation call `Company::fire(self:c1, p:e1)' does not hold:

pre2: self.employee->includes(p)

self : Company = c1

self.employee : Set(Person) = Set{e2}

p : Person = e1

self.employee->includes(p) : Boolean = false

call stack at the time of evaluation:

1. Company::fire(self:c1, p:e1) [caller: c1.fire(e1)@<input>:1:0]

+-----+

| Evaluation is paused. You may inspect, but not modify the state. |

+-----+

Currently only commands starting with `?', `:', `help' or `info' are allowed.

`c' continues the evaluation (i.e. unwinds the stack).

> c

Error: precondition false in operation call `Company::fire(self:c1, p:e1)'.

--RAISE CONDITION

use> !e2.raiseSalary(50000)

use> !e2.raiseSalary(40000) -- This breaks because the new salary will be lower than the old one

[Error] 1 postcondition in operation call `Person::raiseSalary(self:e2, rate:40000)' does not hold:

post3: (self.salary > self.salary@pre)

self : Person = e2

self.salary : Integer = 40000

self : Person = e2

self.salary@pre : Integer = 50000

(self.salary > self.salary@pre) : Boolean = false

call stack at the time of evaluation:

1. Person::raiseSalary(self:e2, rate:40000) [caller: e2.raiseSalary(40000)@<input>:1:0]

+-----+

| Evaluation is paused. You may inspect, but not modify the state. |

+-----+

Currently only commands starting with `?', `:', `help' or `info' are allowed.

`c' continues the evaluation (i.e. unwinds the stack).

> c

Error: postcondition false in operation call `Person::raiseSalary(self:e2, rate:40000)'.