Meta Interrogation

Meta 2019

February 21, 2020

Analyser Visitor

For each of the exercises below, define a visitor as subclass of RBProgramNodeVisitor and define tests. The expression (Point»#degrees) ast returns the AST of the method degrees defined in the class Point.

For each exercise below, define a test showing exactly what the result of the analyser should be. It should test the positive and negative case.

No assignment Method. This visitor should return whether the method is doing assignments to instances.

Recursive Calls. This visitor should return whether the method is doing a recursive call. A variation can be a recursive call on another object than self (Composite pattern).

Utility method. An utility method is a method that does not use any state of the receiver (no instance access and no self-sends). Such methods do not belong to the class.