Elements

DIY.Studying

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1 Basics

- primitive expressions and statements.
- means of combination.
- means of abstraction.

2 expression and statements

Expression is watch evaluate name to value. And make use of later. If call expression alone and not have side-effect, it can be statements. Statements is a sequences that would excution. And it will change environment of program.

3 expression

- expression have value and will band to a name.
- expression have evaluate process.

4 call expression

The call expression has subexpressions, which mans of combination.

$$\frac{\max}{\text{oprate}}(\frac{7.5}{\text{operand}},\frac{9.5}{\text{operand}})$$

5 names and environment

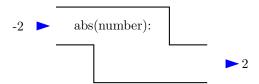
Name band values. Evaluate name to value, we need consider correlation environment. Name means of abstraction.

name could band

- 1. improt statements.
- 2. assingment operation.
- 3. def statements.

6 pure function and non-pure function

Pure functions. Functions have some input (their arguments) and return some output (the result of applying them).



Non-pure functions. In addition to returning a value, applying a non-pure function can generate side effects, which make some change to the state of the interpreter or computer.

