What Happened with def square(square)?

```
def square(square):
    return mul(square, square)
```

```
square(4)
```

Environment diagrams will be on holiday until Wednesday.

Environments & values
Expressions

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Expressions

Statements

A statement is executed by the interpreter to perform an action

Compound statements:

- **Statement**
- **Clause**
- **Suite**
- **Statement**
- **Statement**
- **Statement**

The Fibonacci Sequence

```
def fib(n):
    """Compute the nth Fibonacci number, for n >= 2."""
    pred, curr = 0, 1  # First two Fibonacci numbers
    k = 2  # Tracks which Fib number is curr
    while k < n:
        pred, curr = curr, pred + curr
        k = k + 1
    return curr
```

0, 1, 1, 2, 3, 5, 8, 13, ...

Execution Rule for a sequence of statements:

- Execute the first
- Unless directed otherwise, execute the rest

Compound statements:

- `<header>`:
- `<statement>`
- `<statement>`
- `<statement>`

A suite is a sequence of statements

To “execute” a suite means to execute its sequence of statements, in order