

Python Decimal

[Python]

Python Osmosis

Decimal

- from decimal で利用
- 小数点以下の計算も正しく行う
- getcontext().prec で有効桁数を設定

```
Python 2.6.3 (r263rc1:75186, Oct 2 2009, 20:40:30) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
```

```
*****
Personal firewall software may warn about the connection IDLE
makes to its subprocess using this computer's internal loopback
interface. This connection is not visible on any external
interface and no data is sent to or received from the Internet.
*****
```

```
>>> from decimal import *
>>> Decimal('0.70') * Decimal('1.05')
Decimal('0.7350')
>>> .70 * 1.05
0.734999999999999999
>>> Decimal('1.00') % Decimal('.10')
Decimal('0.00')
>>> 1.00 % 0.10
0.099999999999999995
>>> sum([Decimal('0.1')] * 10) == Decimal('1.0')
True
>>> sum([0.1] * 10) == 1.0
False
>>> getcontext().prec = 36
>>> Decimal(1) / Decimal(7)
Decimal('0.142857142857142857142857142857142857')
```