In [8]:
```
from decimal import Decimal, getcontext
```

Integers

In [3]:
```
int('100')
```

Out[3]:
```
100
```

In [4]:
```
int('100', 2)
```

Out[4]:
```
4
```

In [5]:
```
int(100, 2)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Input In [5], in <module>
----> 1 int(100, 2)

TypeError: int() can't convert non-string with explicit base
```

In [6]:
```
int('1ab', 16)
```

Out[6]:
```
427
```

In [1]:
```
1.2 - 1.0
```

Out[1]:
```
0.19999999999999996
```

Decimals

In [9]:
```
getcontext()
```

Out[9]:
```
Context(prec=28, rounding=ROUND_HALF_EVEN, Emin=-999999, Emax=999999, capital
s=1, clamp=0, flags=[], traps=[InvalidOperation, DivisionByZero, Overflow])
```

In [10]:
```
getcontext().prec=4
```

In [11]:
```
getcontext()
```

Out[11]:
```
Context(prec=4, rounding=ROUND_HALF_EVEN, Emin=-999999, Emax=999999, capitals
=1, clamp=0, flags=[], traps=[InvalidOperation, DivisionByZero, Overflow])
```

In [12]:
```
Decimal(1) / Decimal(3)
```

Out[12]:
```
Decimal('0.3333')
```

In [13]:
```
getcontext().prec=2
```

In [14]:
```
Decimal(1) / Decimal(3)
```

Out[14]:
```
Decimal('0.33')
```

In [15]:
```
Decimal(3.14)
```

Out[15]:
```
Decimal('3.140000000000000124344978758017532527446746826171875')
```

In [16]:
```
Decimal('3.14')
```

Out[16]:
```
Decimal('3.14')
```

In [18]:
```
round(1.2 - 1.0, 2)
```

Out[18]:
```
0.2
```

In [ ]:
```

```