

# Bonkers Rounding (aka Bankers Rounder)

```
>>> round(1.5)  
2
```

```
>>> round(3.5)  
4
```

```
>>> round(2.5)  
2
```

```
>>> round(4.5)  
4
```

**wat.**

Get expected rounding behavior with:

```
>>> decimal.Decimal('2.5').quantize(decimal.Decimal('1'),  
                                     rounding=decimal.ROUND_HALF_UP)  
Decimal('3')
```

## Dealing with money

float, Decimal, and math



## Avoiding concurrency

linearizing writes in a queue

## Dealing with concurrency

transactions, locking, compare-and-swaps

## Schema design

log-structured data, minimizing locks

## The bigger picture

code layout, storage layer, NewSQL databases