

How do we sort? Ask Tim Peters!

- Sorting API
 - Sort lists (or arrays, ...)
 - > Backwards, forwards, ...
 - Change comparisonFirst, Last, combo, ...
- Sorting Algorithms



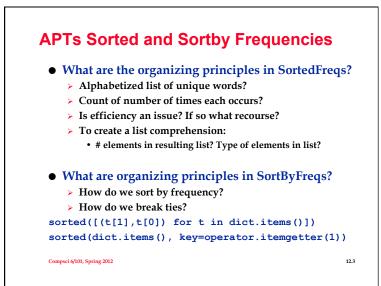
> We'll use what's standard!

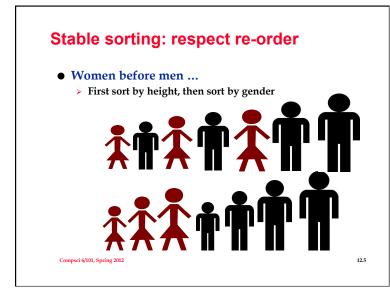
Best quote: import this

I've even been known to get Marmite *near* my mouth -- but never actually in it yet. Vegamite is right out

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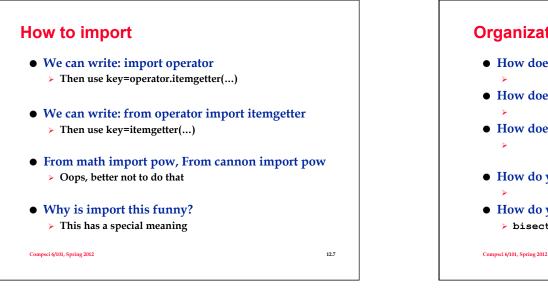


Python Sort API by example, (see APT)

• Sort by frequency, break ties alphabetically

def sort(data): d = {} for w in data: d[w] = d.get(w,0) + 1 ts = sorted([(p[1],p[0]) for p in d.items()]) #print ts return [t[1] for t in ts] • How to change to high-to-low: reverse=True • How to do two-pass: itemgetter(1) from operator

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