Unsorted:	Jake	Charles	Terry	Rosa	Gina	Cheddar	Amy	Holt

Selection Sort: Go through the list and pull out the smallest(first) element. Loop through and constantly do this until you have picked everyone

Unsorted:

07-31: Sorting

	Amy	Charles	Cheddar	Gina	Holt	Jake	Rosa	Terry
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l	$\bigcup_{i=1}^{n}$							

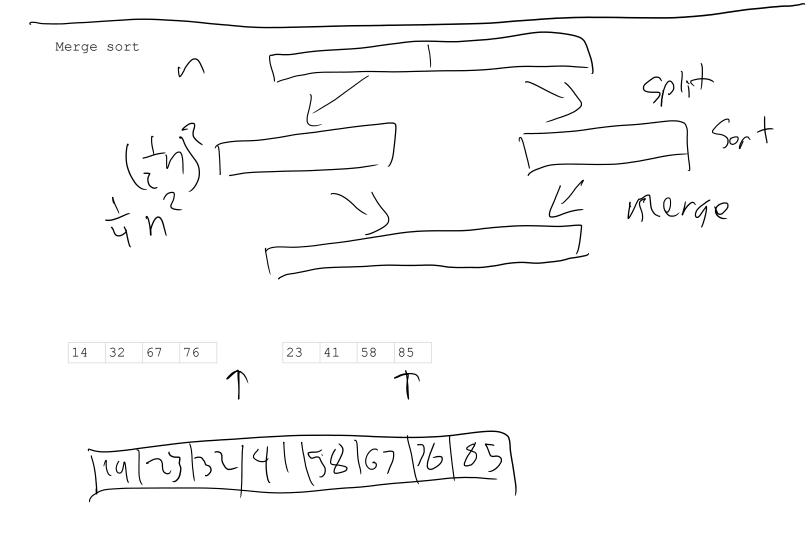
Unsorted	d: C	harles	Jake	Rosa	Gina	Cheddar	Amy	Holt	Terry
Bubble Sort: Repeatedly go through the list and compare pairs, swapping them into sorted order. $O(n^2)$									
Unsort	ed:	Jake	Charles	s Terry	y Rosa	Gina	Chedo	lar Amy	Holt
	8! Bogo Sort: Randomly shuffle the list. Check if it is sorted, if it's not, shuffle again								

Unsorted:

Cheddar Amy Holt

Charles Gina Jake Rosa Terry

Insertion Sort: Take the people in the list as they appear, and insert them into a new list that you are building up, maintaining sorted order. $O(n^2)$



In-place sort: We don't need to make a separate auxilliary structure to sort

Stable sort: In the case of ties where two things are equal, we maintain the relative order of the two