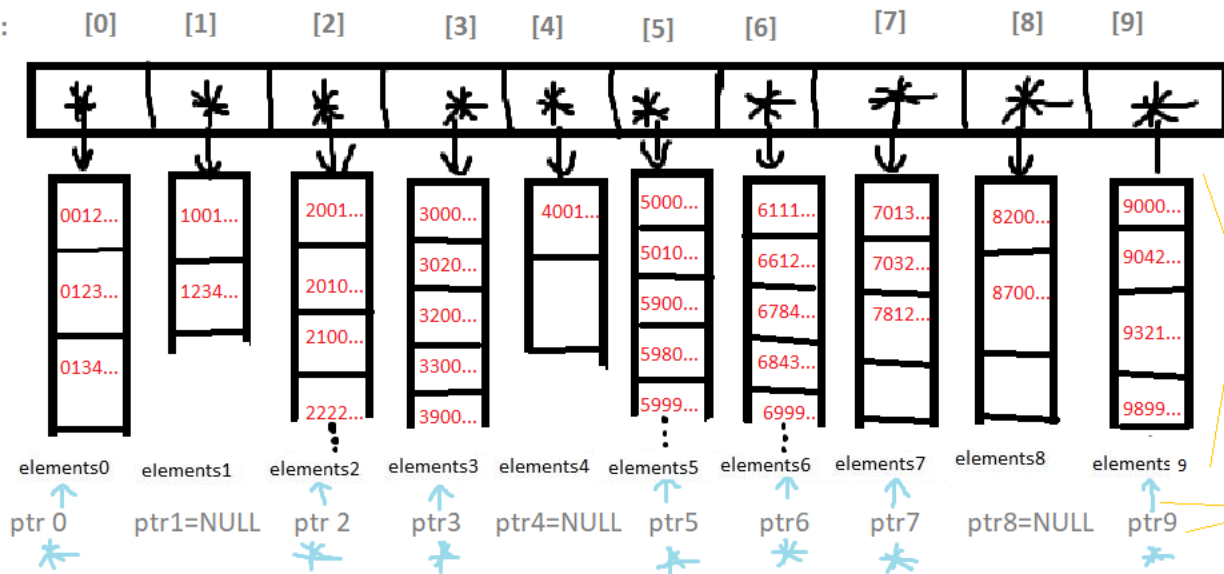


# Walk in Patient Clinic - List Data Structure

Illustrator: Melissa Lee

General:  
(Array of  
patient array  
pointers)



- Array of pointers to patient arrays.
- The array cell points to the patient array with respect to the index and the carecard # that the patients start with in that patient array.
- 10 cells

- 10 patient arrays.
- Each patient's carecard in an a particular array start with the same carecard #.
- Lists are ordered in ascending carecard #.
- These arrays expand when more size is needed

- 10 pointers
- pointers are assigned to respective patient array if the patient array has been expanded
- This is so that we can clear the memory that has been dynamically allocated

Count:  
(Array of integers)

3	2	12	5	1	8	10	3	2	4
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- Array that holds the element counts of each of the 10 patient arrays
- 10 cells

Capacity:  
(Array of integers)

3	2	20	20	2	8	20	4	3	4
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- Array that holds the capacities of each of the 10 patient arrays
- 10 cells

ElementCount: 50  
(Integer)