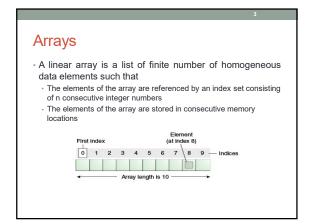
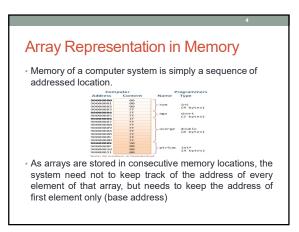
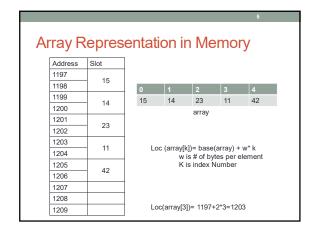


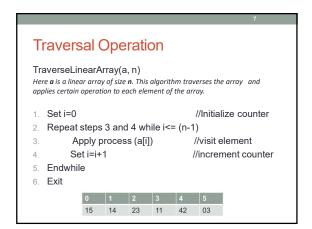
Content Concept of Arrays Array Representation Operations performed on arrays Limitation of arrays Application of linear Arrays



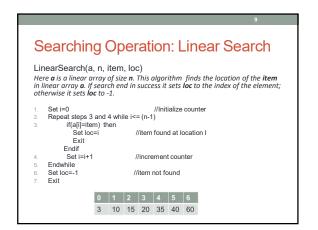


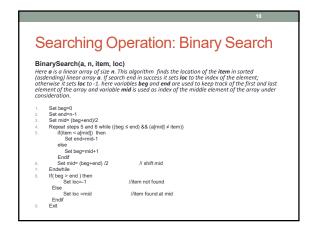


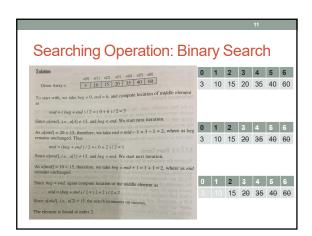


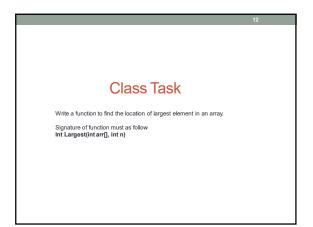


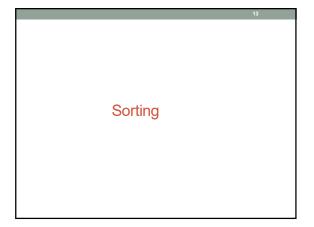








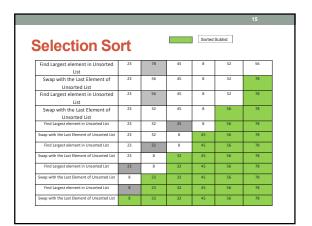




Selection Sort

· Algorithm:

- 1. Get a list of unsorted elements
- 2. Divide the list logically using a marker into two sub-lists: sorted and unsorted
- Repeat Step 4-7 until one element is remain in unsorted list
- 4. Compare all elements in unsorted sublist
- 5. Select the largest element
- 6. Swap it with the element at the end of the unsorted list
- 7. Decrement the marker
- 8. Stop



Bubble Sort

· Algorithm:

- 1. Get a list of unsorted elements
- 2. Divide the list logically using a marker into two sub-lists: sorted and unsorted
- 3. Repeat Step 4-5 until one element is remain in unsorted list
- 4. The largest element is bubbled from the unsorted list and move to the sorted list
- 5. Decrement the marker
- 6. Stop



```
Bubble Sort

- void bubbleSort(int arr[], int size)
- {
- for (int i = size-1; i > 0; i--)
- {
- for (int k = 0; k < i; k + +)
- {
- if (arr[k] > arr[k+1])
- {
- Int temp=arr[k];
- Arr[k]=arr[k+1];
- Arr[k+1]=temp;
- } //ifor with k
- }//for with i
- }//tunction
```

