



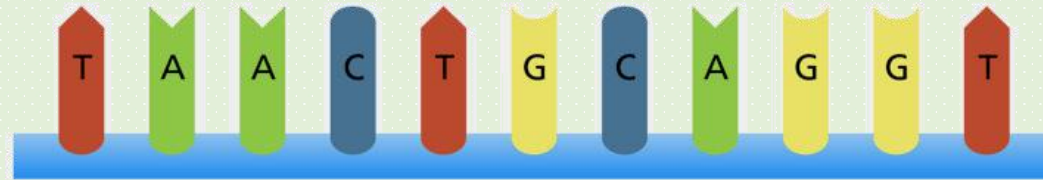
Data Structure & Algorithm

Class X
lab 9

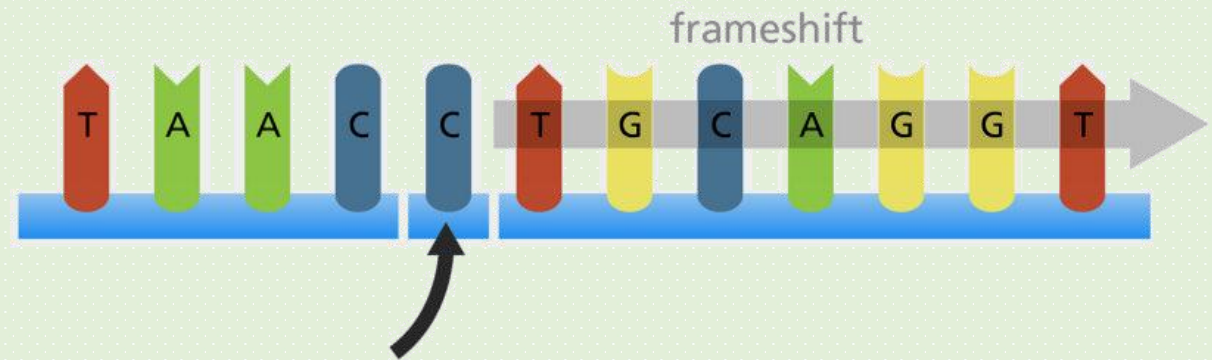
Insertion Sort

an in-place comparison-based
sorting algorithm

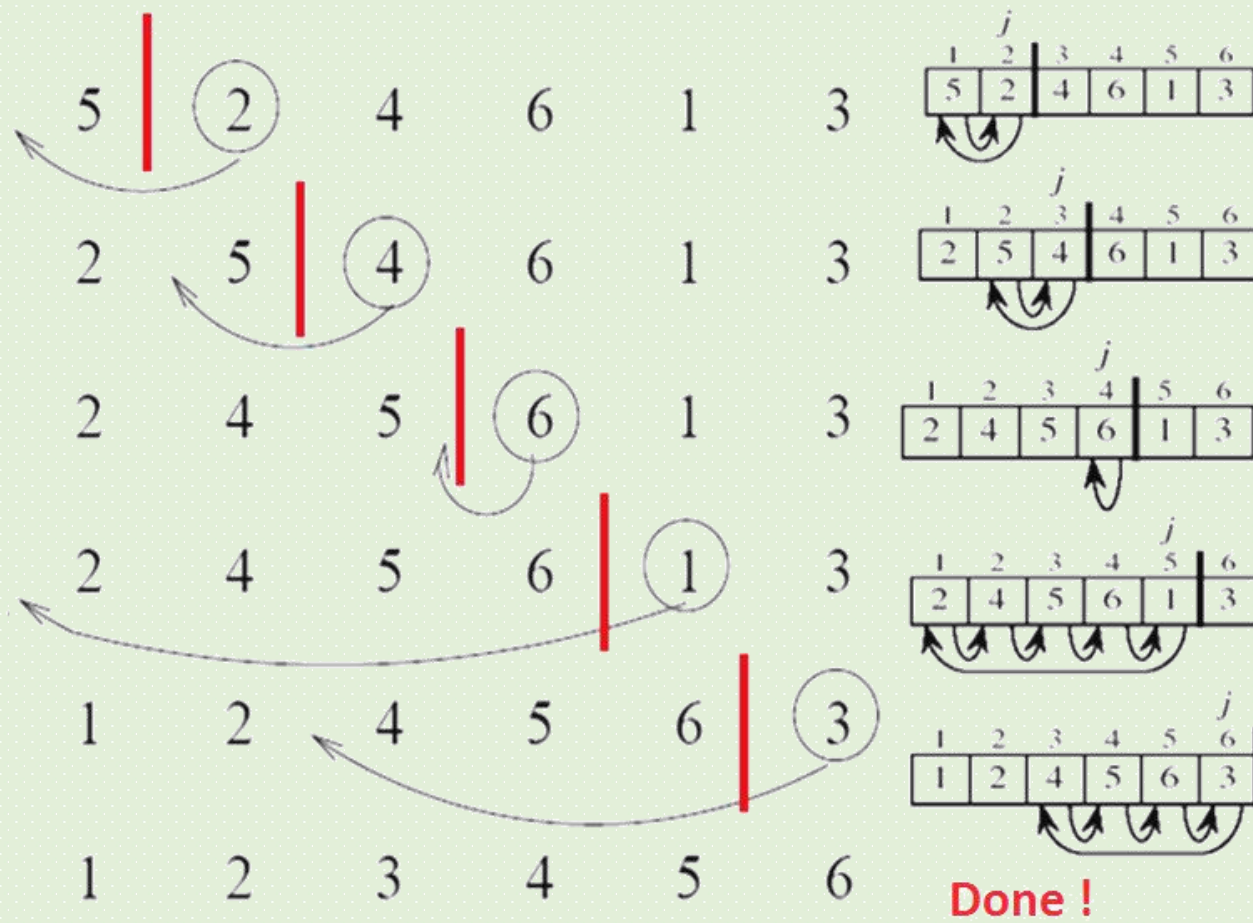
Original sequence



Insertion



Example 1



Example 2

Insertion Sort Execution Example



Algorithm

Step 1 – If it is the first element, it is already sorted. return 1;

Step 2 – Pick next element

Step 3 – Compare with all elements in the sorted sub-list

Step 4 – Shift all the elements in the sorted sub-list that is greater than the value to be sorted

Step 5 – Insert the value

Step 6 – Repeat until list is sorted

SO YOU WANNA BE A **BETTER** PROGRAMMER



eat ();



sleep ();



code ();



repeat ();

