Bubble Sort

Bubble sort is a sorting algorithm that compares each pair of adjacent elements and swap them if they are in wrong order.

- steps: +
 i) compare first two elements
 - 2) compare the first and the second element
 - 3) if the first element is greater than the second element then swapped it.
 - 4) Now compare the second and the third elements, swap them if they are not in order s) these process goes until the last element.

Note -

- 1) after each iteration at least one value mover at the end.
- 2) d at the first iteration. the largest element come to the end
- 3) for record iteration the second larget element at the 2nd from last indem.
- 4) third larget element in the third last inden.
- 5) It also known as sinking sort or Enchange sort.

[10, 1, 7, 6, 14, 9] 1 10 7 6 14 9 17106 149 the placed at last internet of array 17610149 after sit iteration 17 6 10 14 9 (1,7,6,10,9,(14)) < 15t iteration 1, 7, 6, 10, 9, 14] 2nd toration > 7 6 (* 9 1 6 7 10 9 14 2 placed at 2 placed at indem. 6710914 1 1 67 9 10 14 (1679 I already orrited.

C1, 6, 7, 9, [10, 14] 4 ignore because wready writed. 10 15 3rd largest element placed at 3rd lastinday [1,6,7] 4th iteration 4th lorget element Placedat th jast in don (1 6 (7), 9, 10, 14) [1,6,7,10,14,] 5th iteration 3 Gignored already sorted 5th largest element there is no need of 6th iteration placed at 5th because 5 element are placed in order last indem its obivious that last element is alou place in order