C++ Assignments | Bubble Sorting | Week 9

1. Which of the following(s) is/are true about bubble sort:
    1. It is stable sort
    2. It has a worst case space complexity of O(n)
    3. It involves swapping of adjacent elements
    4. After each iteration, the greatest element is placed at the end of the array.
2. What will the following array look like after one iteration of bubble sort [1,6,2,5,4,3].
    1. [1,3,2,4,5,6]
    2. [1,2,3,4,5,6]
    3. [1,2,5,4,3,6]
    4. [1,2,4,5,3,6]
3. In which case does bubble sort works in the most efficient way:
    1. When the array is sorted in increasing order
    2. When the array is sorted partially
    3. When the array is sorted in decreasing order.
    4. When the array is nearly sorted.
4. Sort the array in descending order using Bubble Sort.
5. Check if the given array is almost sorted. (elements are at-most one position away)

Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain😀.
