You may be asked to demonstrate/explain your work to the tutor, if you are absent/unavailable or fail to demonstrate properly, zero marks will be awarded.

Text book: Deitel, H M & Deitel, P J 2013, C: How to program, 7th edn, Pearson Prentice-Hall, Upper Saddle River, New Jersey.

1. Explain the logic of the below using examples and diagrams
   a. Bubble sort
   b. Selection sort
   c. Insertion sort
   d. Merge sort
   e. Quick sort

2. Write a complete C program to implement the following sorting algorithms, using an array of size 10, populated with random integers, e.g. 0 – 100 to test your program. Don't forget to print initial array and final (sorted) array.
   a. Bubble sort
   b. Selection sort
   c. Insertion sort

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Week 7 Lab
Version 2

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