

CSE110 Review Questions (Solutions)

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1 Sorting

Question 1 Write the contents after each step of selection sort and insertion sort (assume by alphabetical order).

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Answers:

Selection Sort:

Original: M B A S D P E

Pass 1: A B M S D P E

Pass 2: A B M S D P E

Pass 3: A B D S M P E

Pass 4: A B D E M P S

Pass 5: A B D E M P S

Pass 6: A B D E M P S

Insertion Sort:

Original: M B A S D P E

Pass 1: B M A S D P E

Pass 2: A B M S D P E

Pass 3: A B M S D P E

Pass 4: A B D M S P E

Pass 5: A B D M P S E

Pass 6: A B D E M P S