**Question 1:**

Determine which of the following binary trees is a heap

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**Question 2:**

Determine which of the following arrays has a heap property

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**Question 3:**

1. Construct a heap from the following sequences of integers: 80, 70, 60, 50, 40, 30, 20, and 10.
2. How many swaps and how many compares are required to construct a heap if the original data is (i) in sorted order (ii) already a heap (iii) in the inverse sorted order.

**Question 4:**

Insert -2 into a following heap:

