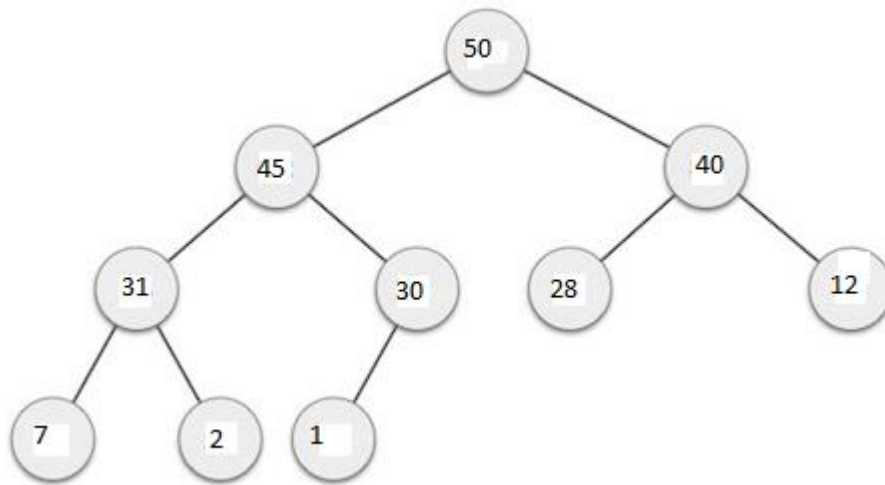


**Solution of Q1:**



**Solution of Q2:**

Sorting Algorithm	Stable
Merge Sort	Yes
Heap sort	No
Quicksort	No
Counting Sort	Yes
Bubble Sort	Yes