

Tutorial 10

Q.1 Construct a Max Binary Heap using following elements: 10, 22, 32, 42, 50, 45, 35, 25, 15, 5, 8, 18, 28, 38, and 48 and sort them in ascending order using heap sort.

Q2. Construct a Min Binary Heap using following elements: 10, 22, 30, 40, 50, 45, 35, 25, 15, 5, 8, 18, 28, 38, and 48

Q3. Analyse the performance of the Binary Heap, if it is created using (a) array and (b) binary tree (complete)

Q4. You have been given a Max Binary Heap and it is desired to convert it into a Min Binary Heap. Write a program to perform the desired task.

Q5. You have been given two Max Binary Heaps and it is desired to merge both heaps into a single heap. Write a program to perform the desired task.