

CSE 204 (Data Structures and Algorithms I Sessional)

July 2022 Term

Online Assignments: Binary Heap

Online 2 [B2]: Problem Specification

Implement an $O(n \log n)$ sorting algorithm, to sort a given set of numbers in ascending order, by appropriately updating and using the min heap that you have implemented for your offline assignment. Your implementation should be in-place, meaning that you have to update the array you used for representing the heap instead of creating a new one.

[Hint: Change the min heap to a max heap and do the heap sort]