

## Quiz 3

*CLO: 01, 02, 04*

Task No.	0	2	4	6	8	10
<b>1 (BST)</b>	Student not able to get even the input	Program was taking the input but no output was generated	Only worked on one set of inputs	Some inputs gave the wrong output	Input validation was missing, invalid inputs were accepted	Resultant BST contained the accurate union
<b>2 (Heap)</b>	Student not able to get even the input	Program was taking the input but no output was generated	Only worked on one set of inputs	Some inputs gave the wrong output	Input validation was missing, invalid inputs were accepted	Heap sort was working on every input.
<b>3 (Hash)</b>	Student not able to get even the input	Program was taking the input but no output was generated	Only worked on one set of inputs	Some inputs gave the wrong output	Input validation was missing, invalid inputs were accepted	Hash Table resolved the collision without any error

### Problem 1: [10] (CLO 1)

Write a function that finds the Union of two BST.

### Problem 2: [10] (CLO 3)

Write a program which takes a max heap of N size then you have to sort it ascending order.

### Problem 3: [10] (CLO 4)

Write a program to manage a hash table, using collision resolution by chaining, where the keys are student full names and values are student info such as full name, id and cgpa. Your code should provide create, insert, find and delete operations on that table.

Hint: ASCII Value of character c can be calculated as `int(c)`