
Chongqing University of Technology

Subject: Data Structure and Algorithm

Instructor: Henry

Assignment_05

1.1: (step by step) Create a heap according to the given number: 8,27,13,15,32,20,12,50,29,11 and Insert 14,18,30,31 in the Heap. Delete 8 from the Heap and Replace 31.

2.1: Construct a Binary Search Tree by inserting the following sequence of numbers 8,27,13,15,32,20,12,50,29,11 and write the algorithm. Delete 27 from the BST and Insert 14,18,30,31 in the BST.

3.1: Create Huffman tree according to the given number 8,27,13,15,32,20,12,50,29,11. and write the binary code.

**** NOTICE****

1. Test your code in main method.
2. Submit it on time. make it zip and send it to akabillah4420@gmail.com don't forget to write the subject name "Assignment_05" and student id in the mail. And be sure that your code has received by replying okay.

Deadline: 6 December 12:00 am BD time and 2:00 pm China time (Thanks)