Assignment 2 Writeup

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CS 315

Section 002

Problem Statement

We were given three sets of test data and were tasked with using a Binary Search Tree (BST) to create Insert, Search, Min, Max, Inorder, Pre-order, Post-order Traversal, Heaps, and Heapsort

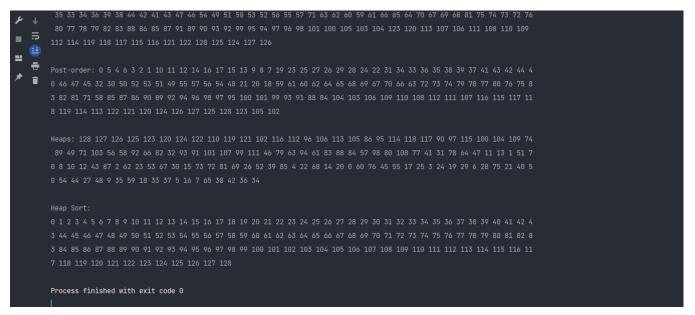
<u>Implementation</u>

To start my code after compiling the program will ask the user to put in a search value, it will do the rest and show the search value if it is found or not found. After that is done it will show the minimum and maximum value of the data. The data is only changeable within the code itself; it won't let the user change the data each time they run the program. After that the program will display the Inorder, Pre-order, and Post-order of the data and the Heap of the data with the heapsort. The data is displayed from the terminal in the form of an array while using the tree variables in the main function.

Results

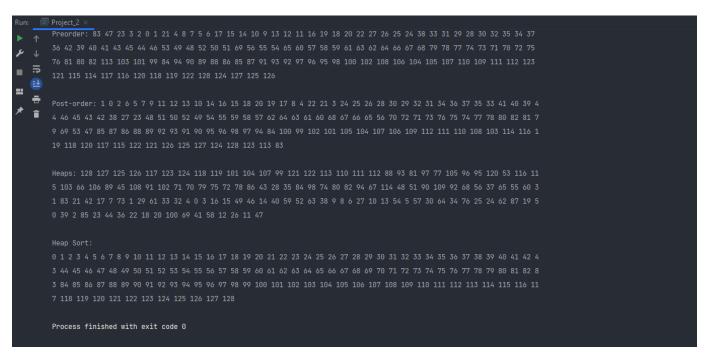
Test 1





Test 2





Test 3



