

Algoma University
School of Computer Science and Technology
COSC 2007 Data Structures II (Lab)
Assignment 9

Date of Lab: Mar 18, 2024

Create a Priority Queue such that the smallest number has the highest priority to hold integer data and perform the following operations on it:

- (a) Insertion of an integer into Priority Queue the following numbers
35, 26, 12, 24, 43, 38, 37, 41, 22, 11, 15
- (b) Delete the root and print the elements in ascending order using the heap sort.
- (c) Display the heap after each operation using the diagrammatic representation of the tree in the Java Program.