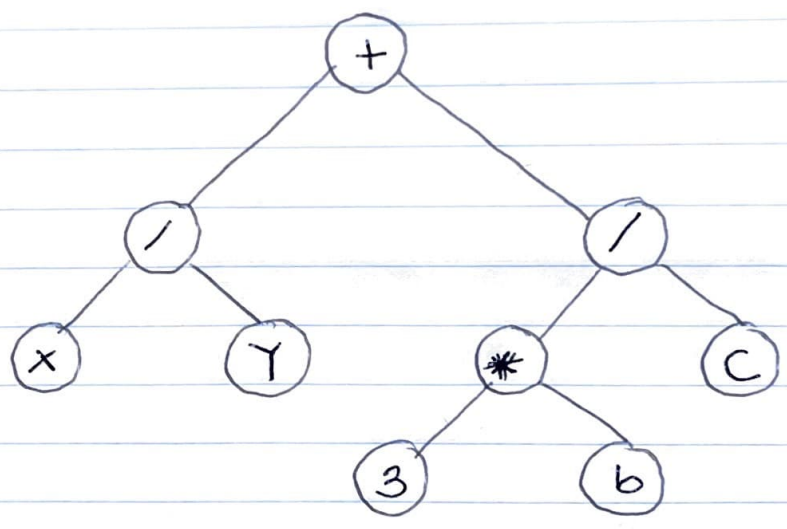Julia Ehama
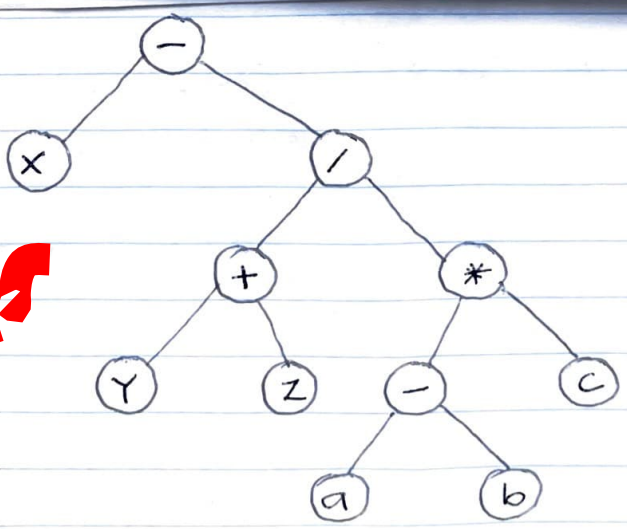
CS 303 Assignment 4

Question One

a) In order traversal : x / y + 3 * b / c
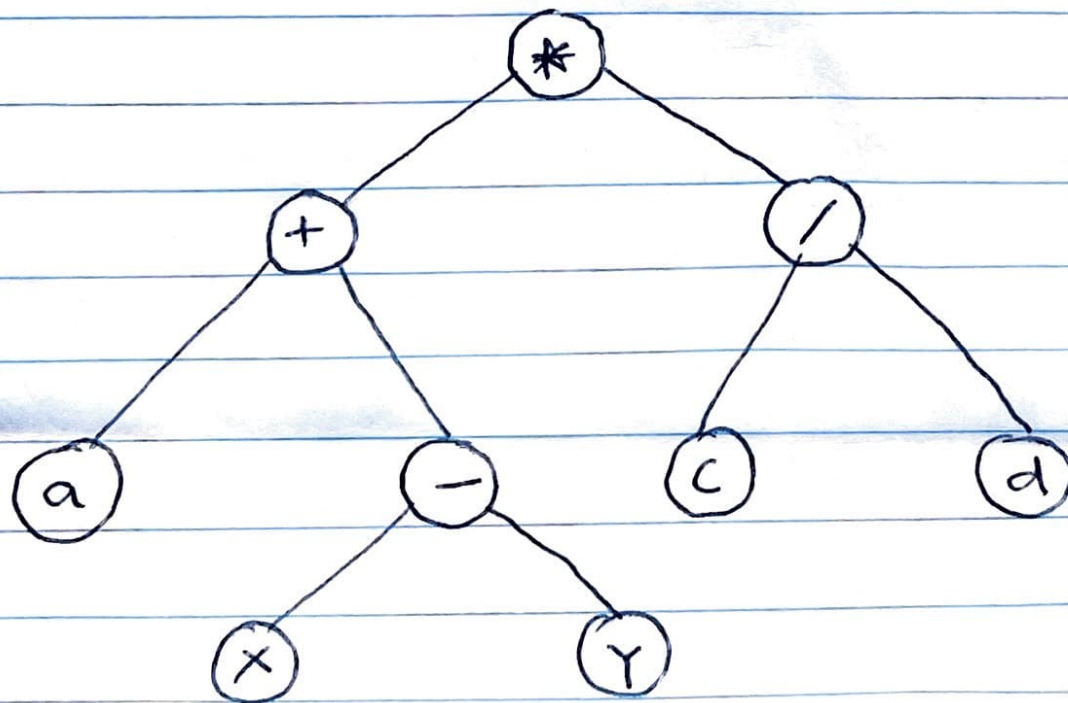

Post Order

c) Pre order traversal :   * + a - x y / c d

c) Pre order traversal :   *   +   a   -   x Y   /   c d

Question 2

using Preorder traversal

30
15
4
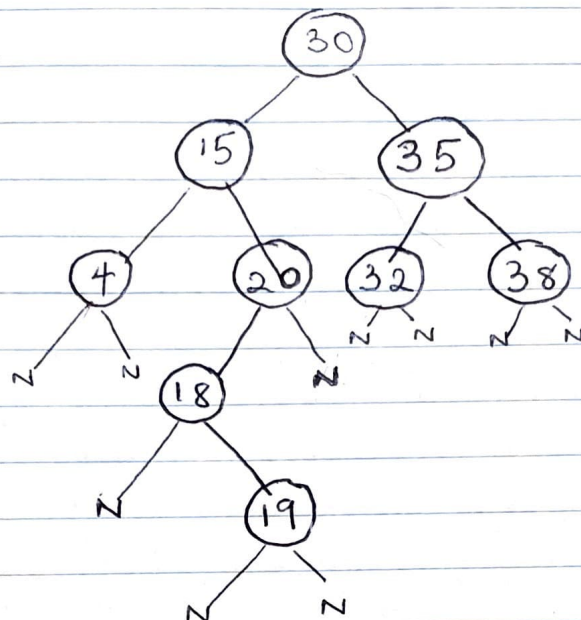NULL
NULL
20
18
NULL
19
NULL
NULL
NULL
35
32
NULL
NULL
38
NULL
NULL

The resulting tree is indeed a binary search tree as the left child nodes are always less than the parent node values, while the right child values are always more, if not empty.