Write a program that will perform the basic operations of a BST. Your program will then accept numbers as inputs for your BST. After traversal, your program will search and locate the positions of all Binary numbers found in your inputs. A Binary number is a number that contains 1 and 0’s only.

Illustration:

56 10 1101.10 9 11 58 1010

Pre-Order Traversal: 56 10 9 11 1101.10 58 1010

Binary Search: 10 – Position 2

11 – Position 4

1101.1- Position 5

1010 – Position 7

Post-Order Traversal: 9 11 10 1010 58 1101.10 56

Binary Search: 11 - Position 2

10 - Position 3

1010 - Position 4

1101.1 – Position 6

In-Order Traversal: 9 10 11 56 58 1010 1101.10

Binary Search: 10 - Position 2

11 - Position 3

1010 - Position 6

1101.1 - Position 7