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CSCI260 – W03 Assignment #8

```
package Assignment8.BTPACKAGE;
import java.util.Scanner;
public class btChallenge {
    public static void main(String[] args) {
        Create an original Java program that uses a Binary Search Tree to capture numeric
           address data (house numbers) from a user, store it to the tree structure and then
        Scanner input = new Scanner(System.in);
        BT bt = new BT();
           System.out.println(x:"Enter address to add to the tree (enter any char to exit): ");
            if(input.hasNextInt()) {
                bt.insert(input.nextInt());
                break;
        System.out.print(s:"\nThe Tree is the following: ");
        bt.inorder();
        System.out.println(x:"\n\n");
        /* B
        input = new Scanner(System.in);
           System.out.println(x:"Enter address to search for (enter any char to exit): ");
            if(input.hasNextInt()) {
                int address = input.nextInt();
                if(bt.search(address)) {
                    System.out.println(x:"Address found!");
                } else {
                    System.out.println(x:"Address not found!");
           } else {
                break;
        System.out.println(x:"Exiting...");
```

```
Enter address to add to the tree (enter any char to exit):
Enter address to add to the tree (enter any char to exit):
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Enter address to add to the tree (enter any char to exit):
Enter address to add to the tree (enter any char to exit):
Enter address to add to the tree (enter any char to exit):
The Tree is the following: 0 1 34 8318 12 23
Enter address to search for (enter any char to exit):
8318
Address found!
Enter address to search for (enter any char to exit):
1000
Address not found!
Enter address to search for (enter any char to exit):
Address not found!
Enter address to search for (enter any char to exit):
Exiting...
```