LAB 6 – SORTED SET

Write a sorted set data structure using binary search trees. Then, read in numbers from a file named *infile.dat*, inserting them into an instance of your sorted set. You will then prompt the user for a value, and search the tree to determine if the value is found in the tree. If the value is present, output "Yes" and no other text. If the value is missing, output "No" and no other text.

```
SortedSet {
  isEmpty()
  add(value)
  remove(value)
  contains(value)
}
```

Example:

infile.dat

> 1, 2, 3, 4, 5, 6, 7

Program

> Sorted Set A Contains 1, 2, 3, 4, 5, 6, 7
> User Input = 9

Output

> No