

Homework 5

1. Write `insert(self, data)` function that will create a node and insert the node into a BST. You should write the insert function with iteration. Then Take a list of 12 elements. Randomly generate 12 numbers and put them into the list. Then in a loop, use insert function to insert the elements in to a BST
2. Write `insertR(self, data)` that will create a node and insert the node into a BST with recursion. You should not use any iteration.
3. Write `findMaxR(self, root)` that will return the maximum of a BST using recursion.
4. Write `findMinR(self, root)` that will return the minimum of a BST using recursion.
5. Write `searchR(self, root, data)` that will search the data in a BST using recursion