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**Project Plan 5**

For this project we implemented a class that is used to build a binary search tree (BST) using a linked list implementation by reading 100 integers from a text file into an array. This array is statically allocated to hold 100 integers. The file is then closed when all integers are stored within the array. The tree is built by setting the first integer read from the array as the root. Every integer successor is then evaluated as either smaller or larger than root and placed either left or right respectively. As the tree grows, the root is updated recursively to allow proper building of a BST. This BSTree class can be found prototyped and defined in the BST .h and .cpp source files. The majority of the member functions of the BSTree class utilize recursion to both search the array, build the tree, and print the tree.