

library.h

```
#include "book.h"

#ifndef _LIBRARY_
#define _LIBRARY_

class Library
{
public:
    //Constructor
    Library(): root(NULL) {}

    //Destructor
    ~Library(){}

    //Return the number of nodes in the tree
    int lengthIs() const;

    //Return the height of the tree
    int heightIs() const;

    //Return the node with maximum key value in the tree
    Book * getMaxBook() const;

    //Search a node with key value of item and return search result through
    boolean found
    void retrieveBook(ItemType item, bool & found) const;

    //Insert a book b into the library
    void insertBook(Book * b);

    //Delete a book with isbn of item
    void deleteBook(ItemType item);

    //Print the tree in three orders
    void printInOrder() const;
    void printPreOrder() const;
    void printPostOrder() const;

private:
    Book * root;
};

#endif
```