Last login: Tue Oct 10 22:26:39 on ttys000
-bash: i#: command not found
/Users/chenkai/Desktop/Rutgers\ University/study/Programming\ Methodology\ for\
Finance/Homework/Homework4/HW4_Kai_Chen ; exit;
chenkaitekiMacBook-Pro:~ chenkai$ /Users/chenkai/Desktop/Rutgers\ University/stu
dy/Programming\ Methodology\ for\ Finance/Homework/Homework4/HW4_Kai_Chen ; exit
;

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
1
Please type in the element:
122
1. 122

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
1
Please type in the element:
544
1. 122
2. 544

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)

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        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
1
Please type in the element:
876
1. 122
2. 544
3. 876

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
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        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
1
Please type in the element:
456
1. 122
2. 544
3. 876
4. 456

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
1
Please type in the element:
111
1. 122
2. 544
3. 876
4. 456
5. 111

 Welcome to the Book List Program
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        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
2
Please type in the element:
999
Please type in the position you want to put in:
2
1. 122
2. 999
3. 544
4. 876
5. 456
6. 111

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
3
Please enter the ISBN of the book that you want to search:
999
The book that you are searching for is number: 2

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
  Please enter your choice:
```

5
Please enter the position of the book that you want to delete from the list:
1
Now your list is:
1. 999
2. 544
3. 876
4. 456
5. 111

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
4
Please enter the ISBN of the book that you want to search:
544
The list is not sorted. Please sort it first!

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
8
1. 111
2. 456
3. 544
4. 876
5. 999

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position

```
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
4
Please enter the ISBN of the book that you want to search:
544
The book that you are searching for is number: 3

 Welcome to the Book List Program
        Choice 1: Add an element to the end of the list
        Choice 2: Add an element at a certain location
        Choice 3: Find an element by ISBN number (linear search)
        Choice 4: Find an element by ISBN number (binary search)
        Choice 5: Delete an element from a certain position
        Choice 6: Delete an element by ISBN number
        Choice 7: Sort the list (using selection sort)
        Choice 8: Sort the list (using bubble sort)
        Choice 9: Print the list
        Choice 0: exit
 Please enter your choice:
0
logout
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.
```