

```
Last login: Sun Oct 22 21:12:13 on ttys000
/Users/chenkai/Desktop/Rutgers\ University/study/Programming\ Methodology\ for\
Finance/Homework/Homework6/HW6_Kai_Chen/Main_chen ; exit;
-bash: i#: command not found
chenkaitekiMacBook-Pro:~ chenkai$ /Users/chenkai/Desktop/Rutgers\ University/stu
dy/Programming\ Methodology\ for\ Finance/Homework/Homework6/HW6_Kai_Chen/Main_c
hen ; 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 enter the element:

111

Current number of books: 1

Now your list is:

1. 111

Welcome to the Book List Program

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- Choice 8: Sort the list (using bubble sort)
- Choice 9: Print the list
- Choice 0: exit

Please enter your choice:

1

Please enter the element:

222

Current number of books: 2

Now your list is:

1. 111

2. 222

Welcome to the Book List Program

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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 enter the element:

444

Current number of books: 3

Now your list is:

1. 111

2. 222

3. 444

Welcome to the Book List Program

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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 enter the element:

333

Please enter the position you want to add in:

3

Current number of books: 4

Now your list is:

1. 111

2. 222

3. 333

4. 444

Welcome to the Book List Program

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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 enter the element:

5

Current number of books: 5

Now your list is:

1. 111
2. 222
3. 333
4. 444
5. 5

Welcome to the Book List Program

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- 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:

333

The book that you are searching for is number: 3

Current number of books: 5

Now your list is:

1. 111
2. 222
3. 333
4. 444
5. 5

Welcome to the Book List Program

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- Choice 5: Delete an element from a certain position
- Choice 6: Delete an element by ISBN number
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- 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

Current number of books: 4

Now your list is:

1. 222
2. 333
3. 444
4. 5

Welcome to the Book List Program

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- Choice 6: Delete an element by ISBN number
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- Choice 8: Sort the list (using bubble sort)
- Choice 9: Print the list
- Choice 0: exit

Please enter your choice:

4

The list is not sorted. Please sort it first!!!

Current number of books: 4

Now your list is:

1. 222
2. 333
3. 444
4. 5

Welcome to the Book List Program

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- Choice 8: Sort the list (using bubble sort)
- Choice 9: Print the list
- Choice 0: exit

Please enter your choice:

7

Current number of books: 4

Now your list is:

1. 5
2. 222
3. 333
4. 444

Welcome to the Book List Program

- Choice 1: Add an element to the end of the list
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- 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:

333

Find the book at position: 3

Current number of books: 4

Now your list is:

1. 5

2. 222

3. 333

4. 444

Welcome to the Book List Program

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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:

9

Number of books on the list: 4

1. 5

2. 222

3. 333

4. 444

Current number of books: 4

Now your list is:

1. 5

2. 222

3. 333

4. 444

Welcome to the Book List Program

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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.