

In [*]:

```
1 class book:
2     def __init__(self,title,author,isbn):
3         self.title=title
4         self.author=author
5         self.isbn=isbn
6 class library:
7     def __init__(self):
8         self.book=[];
9     def add_book(self,book):
10        self.book.append(book)
11        print(f"the title of the book is'{book.title}' and the author is '{book.author}'")
12    def remove_book(self,book):
13        for book in self.book:
14            if book.isbn==isbn:
15                self.book.remove(book)
16                print(f"the title of book'{book.title}'is found")
17            else:
18                print("book not found");
19
20    def search_book(self,book):
21        for book in self.book:
22            if book.title.lower()==title.lower():
23                print(f"the title of book'{book.title}'found")
24                break;
25            else:
26                print("book not found")
27    def display_book(self,book):
28        if not self.book:
29            print("book not in library")
30        else:
31            print("book found in library")
32            for book in self.book:
33                print(f"book with title'{book.title}' found'")
34 library=library()
35 while True:
36
37     print("library management")
38     print("1.add book")
39     print("2.remove book")
40     print("3.search book")
41     print("4.display book")
42     print("5.exit")
43     choice=int(input("enter your choice"))
44     if choice==1:
45         title=input("enter title");
46         author=input("enter author name")
47         isbn=int(input("enter isbn code"))
48         new_book=book(title,author,isbn)
49         library.add_book(new_book)
50     elif choice==2:
51         isbn=int(input("enter the isbn code to be removed"))
52         library.remove_book(isbn)
53     elif choice==3:
54         title=input("enter title of the book to be found")
55         library.search_book(title)
56
57     elif choice==4:
58
59         library.display_book(book)
60     elif choice==5:
61         print("exit");
```

```
62     else:
63         print("invalid choice")
64
65
```

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library management
1.add book
2.remove book
3.search book
4.display book
5.exit
enter your choice1
enter title1
enter author name1p
enter isbn code888
the title of the book is'1' and the author is'lp' is added to library
library management
1.add book
2.remove book
3.search book
4.display book
5.exit
enter your choice2
enter the isbn code to be removed895
book not found
library management
1.add book
2.remove book
3.search book
4.display book
5.exit
enter your choice3
enter title of the book to be found1
the title of book'1'found
library management
1.add book
2.remove book
3.search book
4.display book
5.exit
enter your choice4
book found in library
book with title'1' found'
library management
1.add book
2.remove book
3.search book
4.display book
5.exit
enter your choice5
exit
library management
1.add book
2.remove book
3.search book
4.display book
5.exit

enter your choice
```

In []:

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