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In [1]: class Library:
def __init__(self, booksname):
    self.booksname = booksname

def displaybooks(self):
    print(f"available books are : {self.booksname}")

def borrowbookname(self):
    book = input("enter book name you want to borrow : ")
    if book in self.booksname:
        print(f"you have been issued {book} book. Enjoy!!!!")
        self.booksname.remove(book)

    else:
        print("sorry not available")

def returnbook(self):
    bookreturn = input("enter book name you want to return :")
    self.booksname.append(bookreturn)
```

```
In [ ]: if __name__ == "__main__":
lib = Library(["maths", "chemistry", "physics", "c++"])
# lib.displaybooks()
while True:
    print(''' ##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT ''')
    n = int(input("enter the option : "))
    if (n == 1):
        print(lib.displaybooks())
    elif (n == 2):
        print(lib.borrowbookname())
    elif (n == 3):
        print(lib.returnbook())
    elif (n == 4):
        exit()

##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT
enter the option : 1
available books are : ['maths', 'chemistry', 'physics', 'c++']
None
##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT
enter the option : 2
enter book name you want to borrow : maths
you have been issued maths book. Enjoy!!!!
None
##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT
enter the option : 4
##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT
enter the option : 4
##### WELCOME TO CENTRAL LIBRARY #####
1. DISPLAY ALL AVAILABLE BOOKS
2. BORROW A BOOK
3. RETURN/DONATE A BOOK
4. EXIT
```

In [ ]: