



**A Project Report  
On**

**Library Management**

**Submitted by:**

**Rakesh Joshi**

**Btech CSE(2<sup>nd</sup> SEM)**

**Submitted to:**

**Guided by:**

# **INTRODUCTION**

*The main objective of this project is to manage the library through computer system. This Project makes easy to follow up the record of books in a library. You can also alter or update the record of books. It has a very simple and friendly user interface with login feature too.*

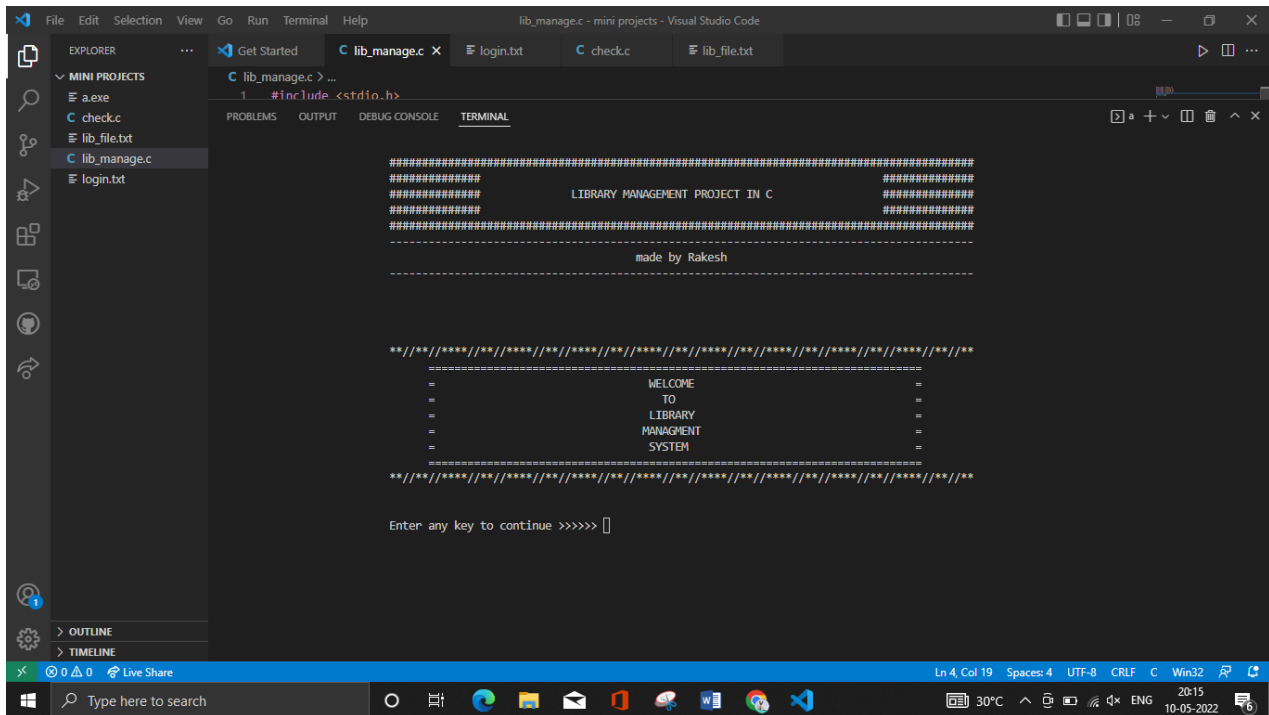
## **Development tools:**

- 1. For programming C language is used.*
- 2. Use of Structure in C and File management.*
- 3. VS code IDE is used for programming*

## **Features:**

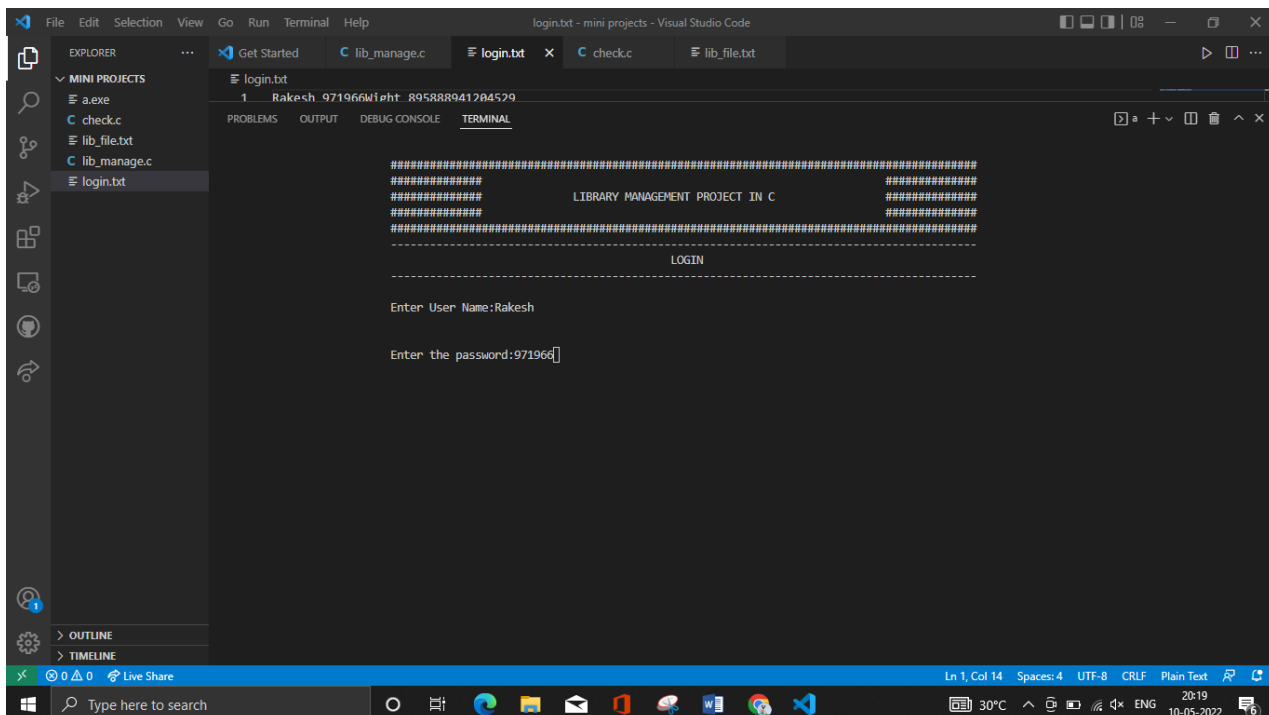
- 1. Secure login feature.(with password)*
- 2. User Friendly.*
- 3. New Book record can be added.*
- 4. Book record can be deleted too.*
- 5. You can search any book from database.*
- 6. You can add multiple user too.*

## SNAPSHOTS:-



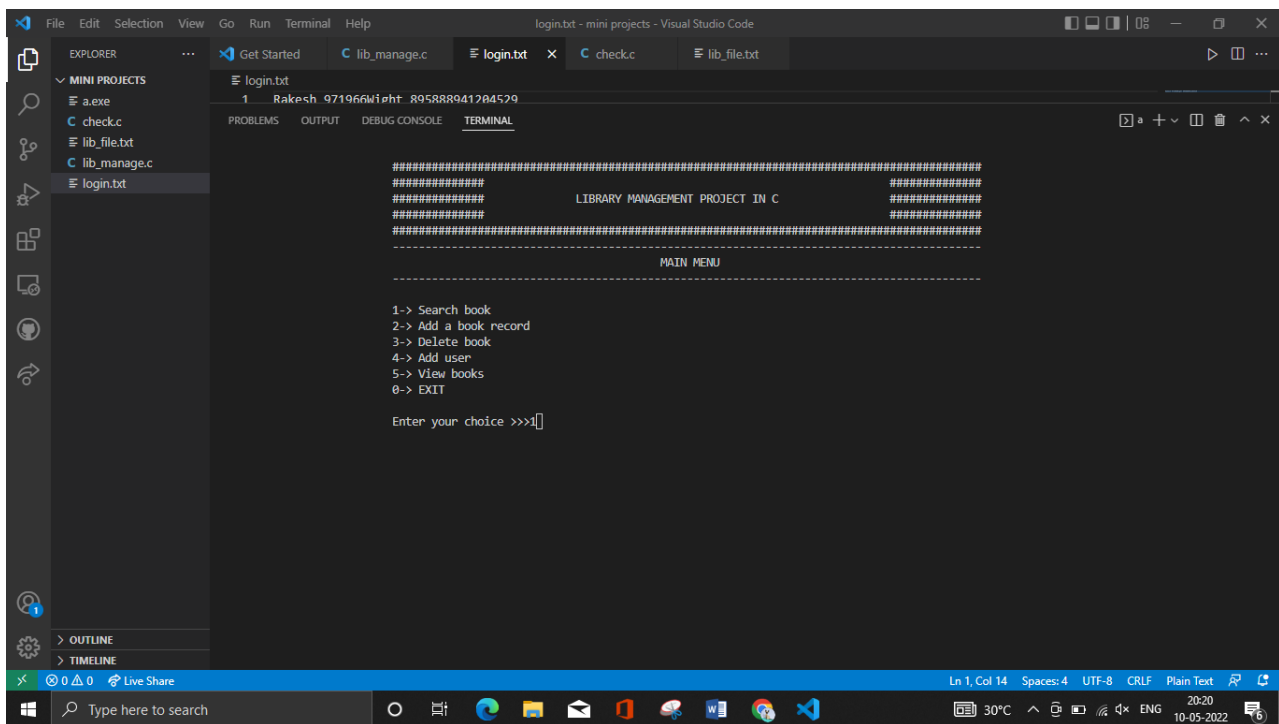
```
lib_manage.c > ...  
1 #include <stdio.h>  
  
LIBRARY MANAGEMENT PROJECT IN C  
made by Rakesh  
  
===== WELCOME TO LIBRARY MANAGEMENT SYSTEM =====  
Enter any key to continue >>>>> ]
```

***Fig1:- Welcome Screen.***



```
login.txt  
1 Rakesh_971966Wieht_895888941204529  
  
LIBRARY MANAGEMENT PROJECT IN C  
LOGIN  
  
Enter User Name:Rakesh  
  
Enter the password:971966]
```

***Fig2:- Login Screen.***



```
login.txt - mini projects - Visual Studio Code
1 Rakesh 9719666wight 895888941784529

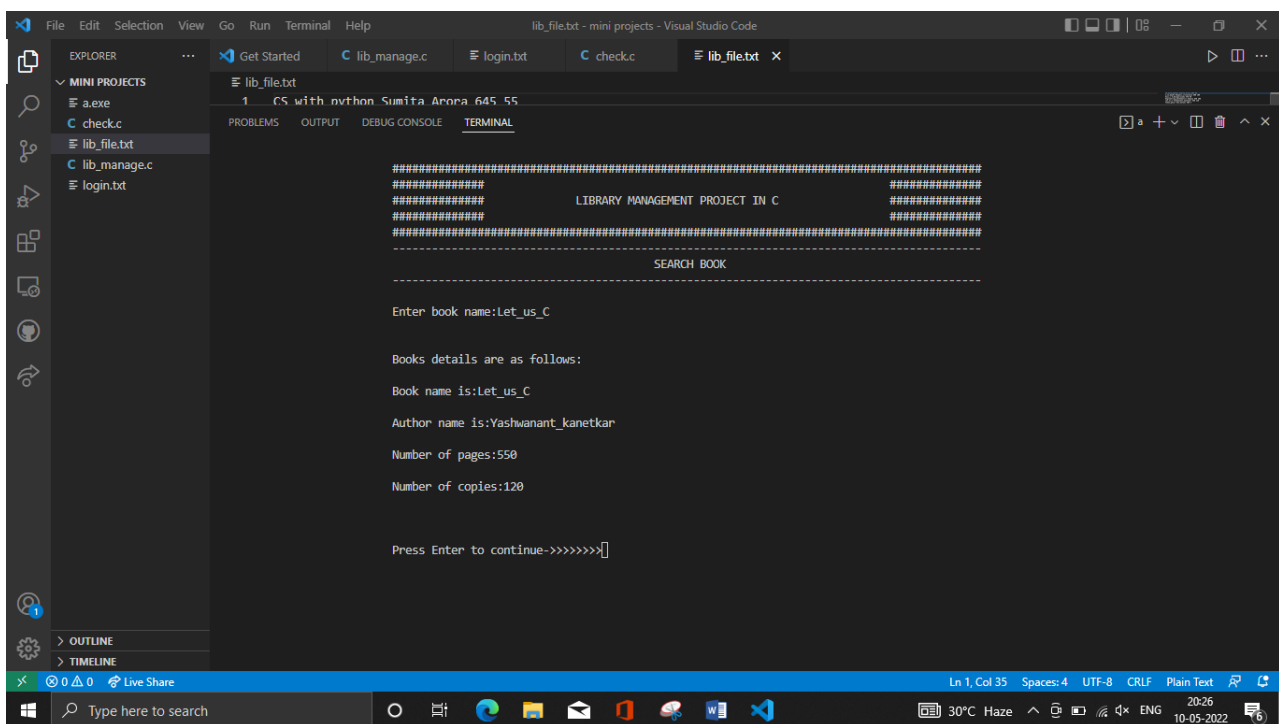
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

#####
#####
##### LIBRARY MANAGEMENT PROJECT IN C #####
#####
#####
#####
-----
MAIN MENU
-----

1-> Search book
2-> Add a book record
3-> Delete book
4-> Add user
5-> View books
0-> EXIT

Enter your choice >>>1
```

***Fig3:- Main Menu.***



```
lib_file.txt - mini projects - Visual Studio Code
1 CS with nvthon Sumita Arora 645 55

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

#####
#####
##### LIBRARY MANAGEMENT PROJECT IN C #####
#####
#####
#####
-----
SEARCH BOOK
-----

Enter book name:Let_us_C

Books details are as follows:

Book name is:Let_us_C

Author name is:Yashwanant_kanetkar

Number of pages:550

Number of copies:120

Press Enter to continue->>>>>>>
```

***Fig4:- Search record.***

```
lib_file.txt - mini projects - Visual Studio Code
1 CS with python Sumita Anora 645 55
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

#####
##### LIBRARY MANAGEMENT PROJECT IN C #####
#####
#####
-----
ADD BOOK
-----
ENTER THE BOOK DETAILS BELOW:

Enter the book name :Object_oriented_Programming_with_c++

Enter the author name:E_Balagurusamy

Enter the number of pages:633

Enter the number of copies:25[]
```

***Fig5:- Add book.***

```
lib_manage.c - mini projects - Visual Studio Code
1 #include <stdio.h>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

#####
##### LIBRARY MANAGEMENT PROJECT IN C #####
#####
#####
-----
DELETE THE BOOK RECORD
-----

Enter the name of the book:CS_with_python

Record deleted successfully....[]
```

***Fig6:- Deleting a record.***

```

1 #include <stdio.h>

LIBRARY MANAGEMENT PROJECT IN C

=====
                        ADD USER
=====

Enter The Name and password below:

User Name:new_user

User Password:144525

```

**Fig7:- Add a user**

```

=====
LIBRARY MANAGEMENT PROJECT IN C
=====

ALL BOOKS DATA

Book name is:In_depth
Author name is:Deepal_rishirava
Number of book pages:180
Number of book copies:100

Book name is:Anal_c
Author name is:Rajaguru
Number of book pages:170

```

```

=====
LIBRARY MANAGEMENT PROJECT IN C
=====

ALL BOOKS DATA

Book name is:Engineering_maths
Author name is:Rama
Number of book pages:160
Number of book copies:100

Book name is:Let us C
Author name is:Yashwanth_karthik
Number of book pages:150
Number of book copies:120

```

```

=====
LIBRARY MANAGEMENT PROJECT IN C
=====

ALL BOOKS DATA

Book name is:Tokyo_girls
Author name is:Ken_kauki
Number of book pages:160
Number of book copies:1

Book name is:Fraud
Author name is:Satoru_fujinaka
Number of book pages:170
Number of book copies:12

```

```

=====
LIBRARY MANAGEMENT PROJECT IN C
=====

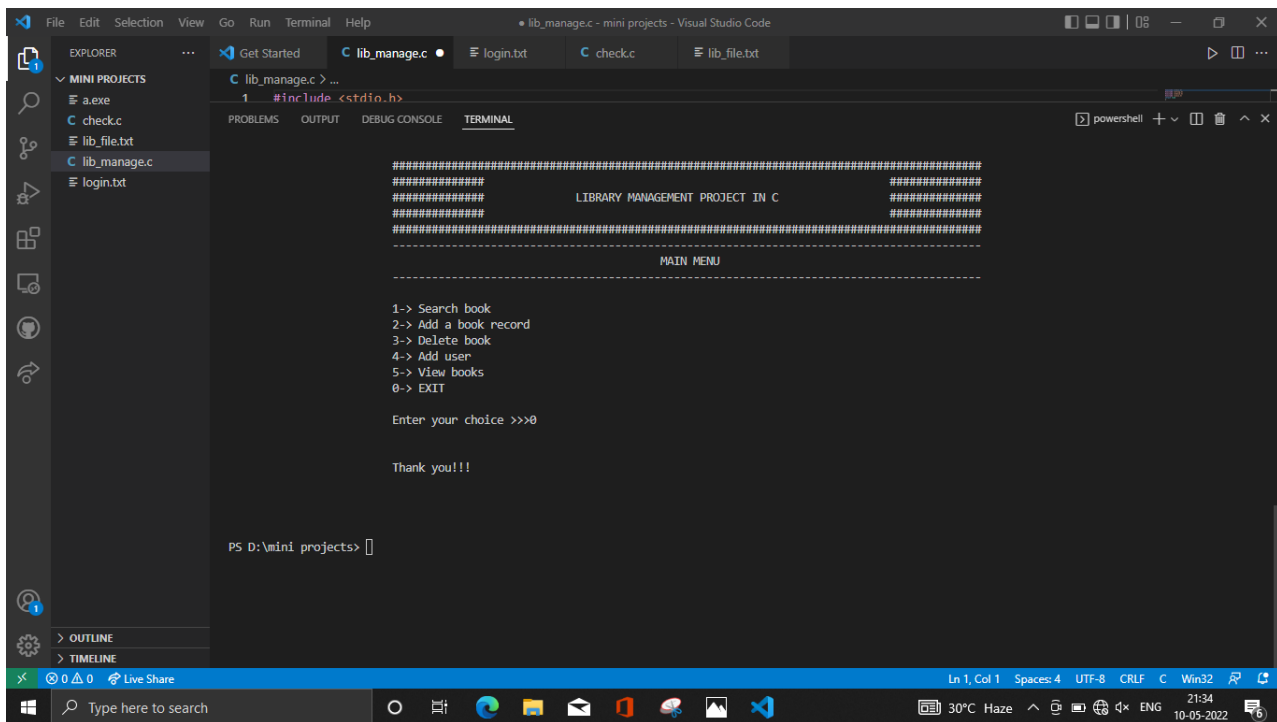
ALL BOOKS DATA

Book name is:Thread
Author name is:Satoru_fujinaka
Number of book pages:170
Number of book copies:12

Book name is:Object_oriented_programming_with_c++
Author name is:Rajaguru
Number of book pages:180
Number of book copies:25

```

**Fig8:- Show all books in database**



```
lib_manage.c > ...
1 #include <stdio.h>

LIBRARY MANAGEMENT PROJECT IN C

MAIN MENU

1-> Search book
2-> Add a book record
3-> Delete book
4-> Add user
5-> View books
0-> EXIT

Enter your choice >>>0

Thank you!!!

PS D:\mini projects>
```

***Fig9:- Exit screen***

***Source code:***

*Uploaded in github.*