

**A Project Report
On**

Library Management

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Submitted to:

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*student chapter
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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:-

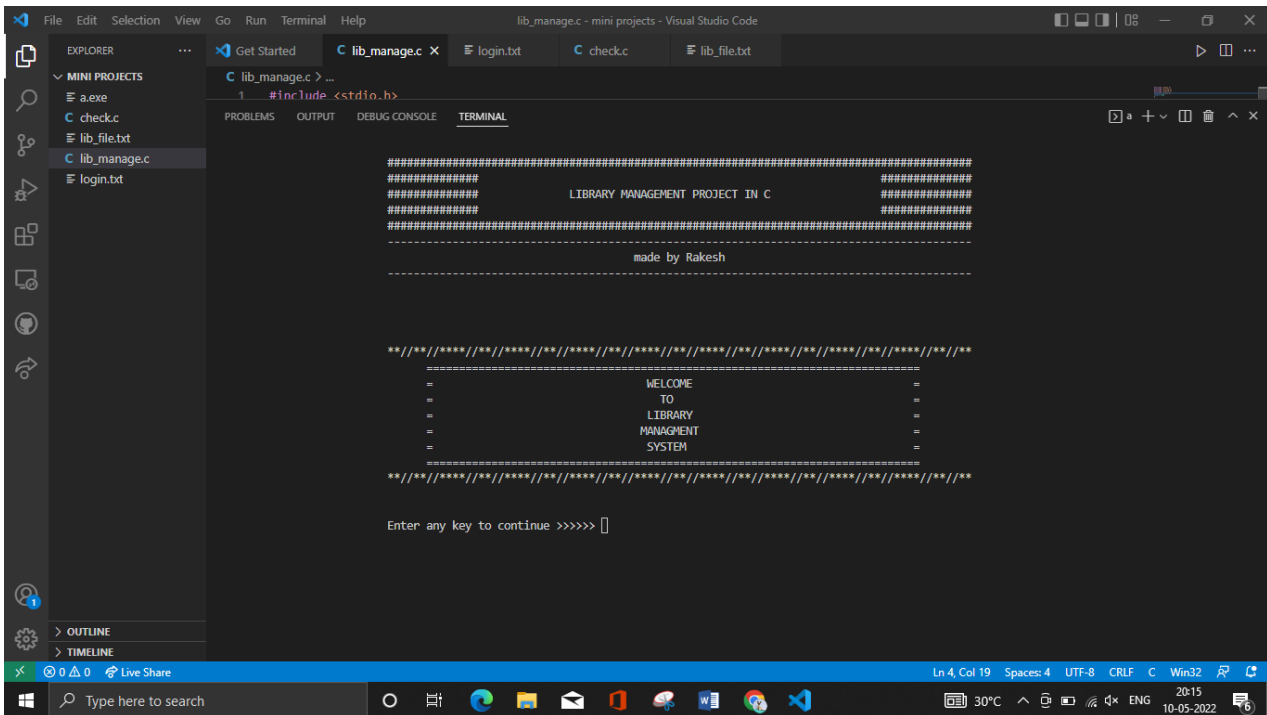


Fig1:- Welcome Screen.

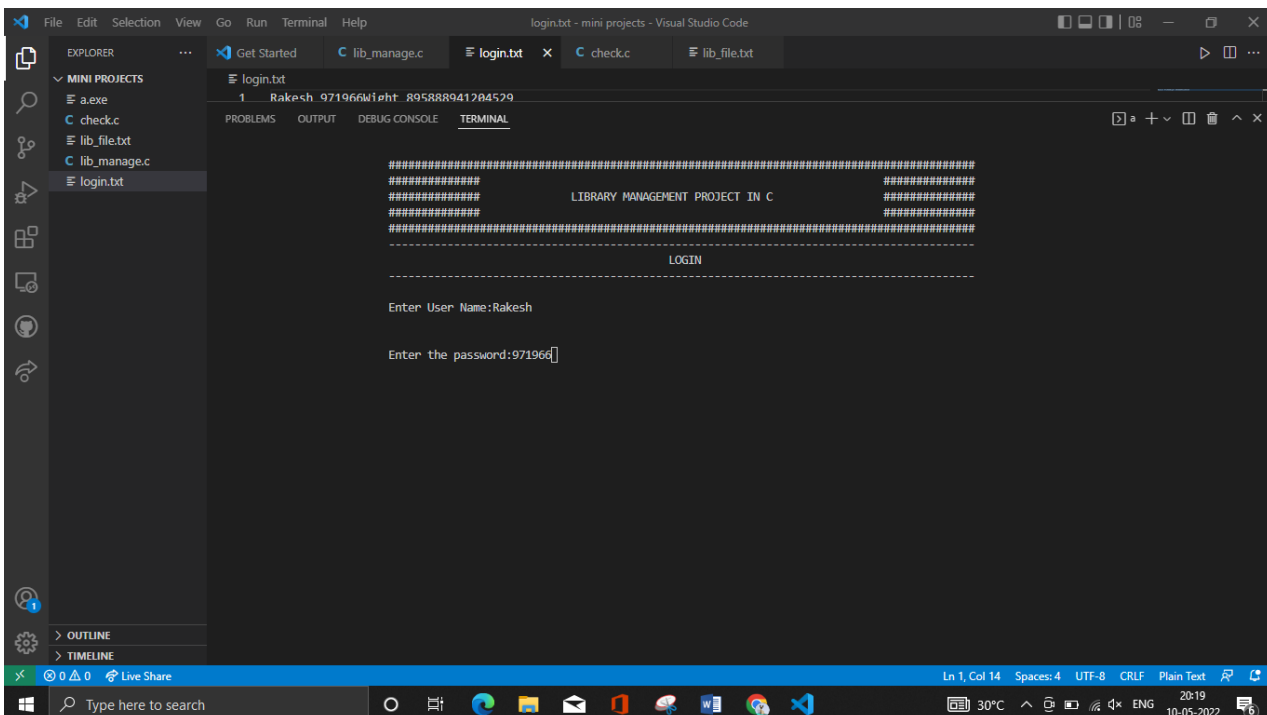


Fig2:- Login Screen.

```
login.txt - mini projects - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
  MINI PROJECTS
    a.exe
    check.c
    lib_file.txt
    lib_manage.c
    login.txt
  OUTLINE
  TIMELINE
  Live Share
  Type here to search

login.txt
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
File Edit Selection View Go Run Terminal Help
EXPLORER
  MINI PROJECTS
    a.exe
    check.c
    lib_file.txt
    lib_manage.c
    login.txt
  OUTLINE
  TIMELINE
  Live Share
  Type here to search

lib_file.txt
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

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>

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
=====
                        SHOW ALL BOOKS
=====

Book name is: C_in_depth
Author name is: Deepal_srinivasa
Number of book pages:180
Number of book copies:100

Book name is: Kotlin
Author name is: Rishi_Rajaguru
Number of book pages:170

```

```

Number of book copies:50

Book name is: Engineering_maths
Author name is: Ramya
Number of book pages:150
Number of book copies:200

Book name is: Kotlin_in_C
Author name is: Yashwanth_kumar
Number of book pages:150
Number of book copies:120

```

```

Number of book copies:120

Book name is: Kotlin_github
Author name is: Ron_karak
Number of book pages:180
Number of book copies:1

Book name is: Fraed
Author name is: Satish_hijina
Number of book pages:170
Number of book copies:12

```

```

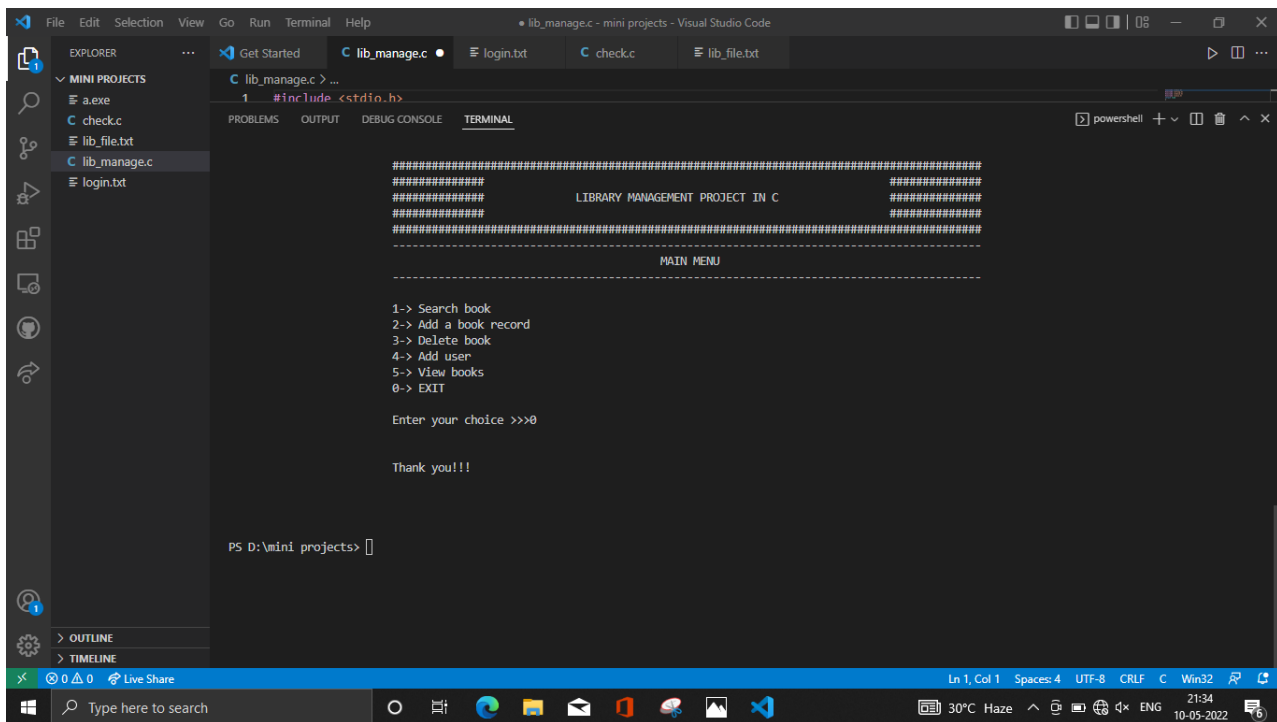
Number of book copies:1

Book name is: Fraed
Author name is: Satish_hijina
Number of book pages:170
Number of book copies:12

Book name is: Object_oriented_programming_with_C++
Author name is: Rishi_Rajaguru
Number of book pages:150
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.