**Main-Menu**

Break Statement

CASE- 1

Yes

Call function

addbook

Default

Break Statement

Wrong

Choice

Break Statement

Yes

Call function

viewIbook

Break Statement

Call function

viewbook

Yes

Break Statement

Call function

submitbook

Yes

Break Statement

Yes

Call function

issuebook

Break Statement

Call function

deletebook

Yes

CASE-7

CASE-6

CASE-5

CASE-4

CASE-3

CASE- 2

**Declare variables Bid, BA, BPY**

**Addbook Function**

**Close the file**

**(Book.txt)**

**Write Data in file**

**Create and Open file**

**(Book.txt)**

**Read all the variables**

**Declare variables I, id, f=0**

**Deletebook function**

**End while**

**fwrite(&B, sizeof(B), 1, FBT)**

**False**

**True**

**F = 1**

**If**

**B.Bid == id**

**fread(&B, sizeof(B), 1, fp) == 1**

**While**

**Open the File (temp.txt, book.txt)**

**Read variable id**

**False**

**True**

**Deleted Successfully**

**Record not found**

**If f==0**

**Remove file(temp.txt)**

**Rename the file**

**(temp.txt = book.txt)**

**Close the file(temp.txt, book.txt)**

**Issuebook Function**

**Declare variables id, I, date, f=0, SN, CN, BI, SA, Cllgid, course\_id ,BA, BPY**

**Input SYSTEMDATE , student name, contact number, college id, course id, book id**

**Open the file(issue.txt, book.txt)**

**While**

fread(&B, sizeof(B), 1, fp) == 1

False

True

If id == B.Bid

False

True

f=1

fwrite(&I, sizeof(I), 1, fs)

End While

**Close the file (issue.txt, book.txt)**

**If f==0**

Please Enter Book id correctly

Record saved successfully

**Declare Variable F=0, I, date, college\_id**

**Submitbook Function**

**Input college\_id**

Open the file(issue.txt, submit.txt, temp.txt)

**Read the file(issue.txt)**

**While**

fread(&I, sizeof(I), 1, fs) == 1

**False**

**True**

If I.cllgid == S.cllgid

False

True

fwrite(&I, sizeof(I), 1, ft);

F=1

fine = no days \* 5

fwrite(&S, sizeof(S), 1, fss);

End while

**Close the file (issue.txt, submit.txt, temp.txt)**

**Remove the file(issue.txt)**

**Rename the file(temp.txt = issue.txt)**

If f==0

Saved Successfully

**Issue Record Not Found**

printf("\n%-20s\xB3 %-30s\xB3 %s\n", "Book\_Id", "Author", "Publish\_Year");

**Viewbook Function**

**Open the File(book.txt)**

While

fread(&B, sizeof(B), 1, fp) == 1

False

True

**printf("\n%-20d\xB3 %-30s\xB3 %d", B.BI, B.BA, B.BPY);**

End While

**Close the file book.txt**

**printf("%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%-15s\xB3%s\n", "Student\_Name", "College\_ID", "Course\_ID", "Student\_Contact", "Student\_Address", "Book\_ID","Author","Publish\_Year","Issue\_Date", "Submit\_Date", "Fine");**

**ViewIbook Function**

True

False

End WHile

printf("%-15s\xB3%-15d\xB3%-15d\xB3%-15s\xB3%-15s\xB3%-15d\xB3%-15s\xB3%-15d\xB3%-15s\xB3%-15s\xB3%d\n", S.sname, S.cllgid, S.couid, S.scont, S.sadd, S.Bid, S.BA, S.BPY, S.Idate, S.date, S.fine);

fread(&S, sizeof(S), 1, fss) == 1

While

Open the file(submit.txt, issue.txt)

**While**

fread(&I, sizeof(I), 1, fs) == 1

False

True

printf("%-15s\xB3%-15d\xB3%-15d\xB3%-15s\xB3%-15s\xB3%-15d\xB3%-15s\xB3%-15d\xB3%s\n", I.sname, I.cllgid, I.couid, I.scont, I.sadd, I.Bid, I.BA, I.BPY, I.date);

**End While**

**Close the file(submit.txt, issue.txt)**