BookWise.py

```python
import mysql.connector as msql
mycon=msql.connect(host='localhost',user='root',passwd='muffadal',database='Library')
cc=mycon.cursor()
if mycon.is_connected()==False:
    print('ERROR!')
else:
    print('WELCOME!')
def newrecord():
    print('1: Books')
    print('2: Students')
    print('3: Issue_Status')
    choice=int(input("enter the table in which you wish to enter a record(1/2/3): "))
    if choice==1:
        n=int(input("enter number of records: "))
        for i in range(n):
            no=int(input("enter bookno:"))
            name=input("enter name: ")
            author=input("enter author: ")
            publication=input("enter publication: ")
            cc.execute('insert into books values({},"{}","{}","{}")'.format(no,name,author,publication))
            mycon.commit()
```

```
22    elif choice==2:
23        n=int(input("enter number of records: "))
24        for i in range(n):
25            admission_no=int(input("enter admission no:"))
26            name=input("enter name: ")
27            Class_and_Section=input("enter class and section: ")
28            cc.execute('insert into students values({},"{}","{}")'
29            .format(admission_no,name,Class_and_Section))
30            mycon.commit()
31    elif choice==3:
32        n=int(input("enter number of records: "))
33        for i in range(n):
34            book_no=int(input("enter bookno:"))
35            admission_no=input("enter admission number: ")
36            issuedate=input("enter issuedate: ")
37            deadline_date=input("enter deadline date: ")
38            returndate=input("enter return date: ")
39            cc.execute('insert into issue_status values({},{},"{}","{}","{}")'
40            .format(book_no,admission_no,issuedate,deadline_date,returndate))
41            mycon.commit()
42    else:
43        print('INVALID INPUT. KINDLY ENTER A INPUT FROM THE LIST DISPLAYED.')
```

```
def searchrecord():
    n=int(input('enter number of times for searching: '))
    for i in range(n):
        admission_no=input("enter admission number: ")
        cc.execute('select * from ( select * from Students natural join Issue_Status where Admission_No={})
        e natural join Books'.format(admission_no))
        data=cc.fetchall()
        print(data)
        s=input("Do you wish to calculate the student's late fees?(y/n): ")
        if s=='y':
            print('Late fees for one day delay is 10 rupees')
            cc.execute('select * from Issue_Status where Admission_No={}'.format(admission_no))
            a=cc.fetchall()
            x=int(str(a[0][4])[8:])
            y=int(str(a[0][3])[8:])
            b=x-y
            if b>0:
                print('LATE FEES IS: ',b*10)
            else:
                print('LATE FEES IS NOT APPLICABLE')
        elif s=='n':
            print('OK')
```

```
def deleterecord():
    print('1: Books')
    print('2: Students')
    print('3: Issue_Status')
    choice=int(input('enter the table(1/2/3): '))
    if choice==3:
        s=int(input('enter number of records you wish to delete: '))
        for i in range(s):
            n=int(input('enter bookno: '))
            cc.execute('delete from Issue_Status where Bno={}'.format(n))
            mycon.commit()
    elif choice==2:
        s=int(input('enter number of records you wish to delete: '))
        for i in range(s):
            n=int(input('enter admissionno: '))
            cc.execute('delete from Students where Admission_No={}'.format(n))
            mycon.commit()
    elif choice==1:
        s=int(input('enter number of records you wish to delete: '))
        for i in range(s):
            n=int(input('enter bookno: '))
            cc.execute('delete from Books where Bno={}'.format(n))
            mycon.commit()
    else:
        print('INVALID INPUT.')
```

```
def modifyrecord():
    amdnno=int(input("enter admission number: "))
    date=input('enter return date: ')
    cc.execute('update Issue_Status set Returned_On={} where Admission_No={}'.format(date,amdnno))
    cc.execute('select * from Issue_Status where Admission_No={}'.format(amdnno))
    data=cc.fetchall()
    print('THE UPDATED RECORD: ',data)
    mycon.commit()
def displayallrecord():
    cc.execute('select * from ( select * from Students natural join Issue_Status) e natural join Books ')
    data=cc.fetchall()
    print('THE RECORDS OF ALL THE TABLES AS OF NOW ARE: ',data)
print("""
**************MAYOOR SCHOOL, NOIDA ***************************
***********LIBRARY MANAGEMENT SYSTEM ***********************
********Designed and Maintained By:***************************
******ABRAR - CLASS XII C - ROLL NO - 2[ 2022-2023 ]*********
******ARHAM - CLASS XII C - ROLL NO - 6 [ 2022-2023 ]********
******MUFFADAL - CLASS XII C - ROLL NO - 17 [ 2022-2023 ]****
""")
print("Kindly enter what you wish to do ")
print('1. Enter a new record: ')
print('2. Search for a particular record ')
print('3. Delete a record ')
print('4. Modify a record ')
print('5. Display all records as of now ')
print('6. Exit')
```

```
while True:
    selection=int(input('enter your choice(1/2/3/4/5/6): '))
    if selection==1:
        newrecord()
        print('THE NEW RECORDS HAVE BEEN ADDED: ')
    elif selection==2:
        searchrecord()
    elif selection==3:
        deleterecord()
    elif selection==4:
        modifyrecord()
    elif selection==5:
        displayallrecord()
    elif selection==6:
        mycon.close()
        break
    else:
        print('INVALID INPUT. KINDLY ENTER A VALID INPUT FROM THE LIST PROVIDED.')
```