PYTHON FILE

Main File

```
import libsubmenu
print("=================================================")
print("                    LIBRARY MANAGEMENT ")
print("=================================================")
while True:
   try:
      print('Press 1 for login')
      print('press 2 for exit')

print("=================================================")
      ch=input('enter your choice: ')
      if ch=='1':
         def pswd():
            ps=input("Enter Password : ")
            if ps=="aman":
                  libsubmenu.main()
            else:
                  print("Wrong Password *__*")
                  pswd()

         def userid():
```

```
                us=input("Enter User ID : ")
                if us=="aman":
                        pswd()
                else:
                        print("Ooops Wrong User ID")
                        userid()

        userid()

    elif ch=='2':
        break
    else:
        print('Wrong input')

print("==========================================================")
  except Exception as e:
    print(e)
```

libsubmenu

```
#importing pandas
import pandas as pd
#for importing vanshlib file
import Vanshlib
#for importing libbooksrecord
import libbooksrecord
#for defining main function
def main():

print("====================================================")
   #sub menu
   while True:
      #for handling error
      try:
         print("Press 1 to get books record")
         print("Press 2 to issues books")
         print("Press 3 to submit books")
         print("Press 4 to previous menu")

print("====================================================")
         ch=input("Enter your choice")

print("====================================================")
         if ch=="1":
            #books record
            libbooksrecord.main()
         elif ch=="2":
            #issues books
            Vanshlib.main()
```

```
        elif ch=="3":
            #submit books
            Vanshlib.main()
        elif ch=="4":
            #previous menu
            break
        else:
            #for wrong input
            print("Wrong input")

print("=====================================================")
    except Exception as e:
        print(e)
```

libbooksrecord

```
#importing pandas library for dataframe
import pandas as pd
#importing mysql.connector for connection
import mysql.connector as sqltor
#importing updatelib file to update
import updatelib
#for establishing connection with mysql database
mycon=sqltor.connect(host='localhost',user='root',passwd='chunar@123',
database='vanshlib')
mycursor=mycon.cursor()
#defining main function
def main():
   while True:
      #for heldling error
      try:
         print('press 1 to add book record:')
         print('press 2 to delete book record:')
         print('press 3 to view book record:')
         print('press 4 to update book record:')
         print('press 5 to previous menu:')

print("=====================================================")
         ch=input("Enter the choice: ")

print("=====================================================")
         # To add books record
         if ch=='1':
            #calling addb function
```

```
            addb()
            a=input("Press enter key to continue")

        # To delete books record
        elif ch=='2':
            Book_Code=input("Enter Book_Code which you want to delete: ")
            query="delete from books_record where Book_Code='{}'"
            mycursor.execute(query.format(Book_Code,))

print("================================================")
            print("                    Book record is deleted
")

print("================================================")
            #for saving the records
            mycon.commit()
            a=input("Press enter key to continue")
        # To view books record
        elif ch=='3':
            query=("select *from books_record")
            mycursor.execute(query)
            ss=mycursor.fetchall()
            df=pd.DataFrame(ss,columns=['Name of
book','Edition','Publisher','Book_Code','Author','Price','Number of books'])
            #for displaying record
            print(df)
            a=input("Press enter key to continue")
        elif ch=='4':
            #calling function to update books record
            updatelib.main()
        elif ch=='5':
            #To go in previous menu
            break
        else:
            #if wrong input
```

```
print("=================================================")
            print("                    Wrong Input Try Again!        ")

print("=================================================")
      except Exception as e:
          print(e)
#defining function for adding book record
def addb():
   name=input('Enter name of books :')
   Book_Code=input('enter Book_Code of book: ')
   author=input("enter author's name :")
   publisher=input("enter book publisher's name :")
   edition=input('enter book edition year in (YYYY-MM-DD) : ')
   price=int(input('enter book price :'))
   book_number=int(input('enter number of books : '))
   #creating query
   query="select Book_Code from books_record where Book_Code='{}'"
   mycursor.execute(query.format(Book_Code,))
   bnb=mycursor.fetchone()
   if bnb[0]==Book_Code:
      #ceating query to update
      query="update books_record set book_number=book_number+{}
where Book_Code='{}'"
      mycursor.execute(query.format(book_number,Book_Code))

print("=================================================")
      print("                    Book number is updated")

print("=================================================")
      #for saving
      mycon.commit()
   else:
      query="insert into books_record values('{}','{}','{}','{}','{}',{},{})"
```

```
mycursor.execute(query.format(name,edition,publisher,Book_Code,autho
r,price,book_number))

print("=================================================")
    print("                Book record is added                ")

print("=================================================")
    #for saving the records
    mycon.commit()
```

updatelib

```
#updation
#importing pandas
import pandas as pd
#importing sql
import mysql.connector as sqltor
#establishing connection
mycon=sqltor.connect(host='localhost',user='root',passwd='chunar@123',
database='vanshlib')
#creating cursor
mycursor=mycon.cursor()
#for defining main function
def main():
   while True:
      #For handling error
      try:
         # for updation
         print('Press 1 to update name of book : ')
         print('Press 2 to update author name : ')
         print('Press 3 to update publisher name : ')
         print('Press 4 to update edition year : ')
         print('Press 5 to update price : ')
         print('Press 6 to update number of books : ')
         print('press 7 to previous menu')

print("==================================================")
         #to enter option
         option=input("Enter the option")

print("==================================================")
```

```
        if option=='1':
            #book name
            Book_Code=input("Enter Book_Code of the book you want to
update")
            newname=input("Enter new name : ")
            query="update books_record set name_of_books='{}' where
Book_Code='{}' "
            mycursor.execute(query.format(newname,Book_Code))

print("=====================================================")

print("=====================================================")
            print("                  Book name is updated                  ")

print("=====================================================")

print("=====================================================")

            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
        elif option=='2':
            #author name
            Book_Code=input("Enter Book_Code of the book you want to
update")
            newauthorname=input("Enter new author name : ")
            query="update books_record set author='{}' where
Book_Code='{}'"
            mycursor.execute(query.format(newauthorname,Book_Code))

print("=====================================================")

print("=====================================================")
            print("                Book author name is updated
")
```

```
print("==================================================")

print("==================================================")
            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
         elif option=='3':
            #publisher name
            Book_Code=input("Enter Book_Code of the book you want to
update")
            newpubname=input("Enter new publisher name : ")
            query="update books_record set published_by ='{}'where
Book_Code='{}'"
            mycursor.execute(query.format(newpubname,Book_Code))

print("==================================================")

print("==================================================")
            print("               Book publisher name is updated
")

print("==================================================")

print("==================================================")
            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
         elif option=='4':
            #edition year
            Book_Code=input("Enter Book Code of the book you want to
update")
            newedition=input("Enter new edition : ")
            query="update books_record set edition='{}' where
Book_Code='{}'"
```

```
            mycursor.execute(query.format(newedition,Book_Code))

print("=================================================="
)

print("==================================================")
            print("                  Book edition year is updated
")

print("==================================================")

print("==================================================")
            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
         elif option=='5':
            #price
            Book_Code=input("Enter Book_Code of the book you want to
update")
            newprice=int(input("Enter new price  : "))
            query="update books_record set price ={} where Book_Code='{}'"
            mycursor.execute(query.format(newprice,Book_Code))

print("==================================================")

print("==================================================")
            print("                  Book price is updated
")

print("==================================================")

print("==================================================")
            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
```

```
        elif option=='6':
            #To update number of books
            Book_Code=input("Enter Book_Code of the book you want to
update")
            book_number=int(input("Enter new number of books  : "))
            query="update books_record set book_number ={} where
Book_Code='{}'"
            mycursor.execute(query.format(book_number,Book_Code))

print("=====================================================")

print("=====================================================")
            print("              number of books is updated                    ")

print("=====================================================")

print("=====================================================")
            #for saving
            mycon.commit()
            a=input("Press enter key to continue")
        elif option=='7':
            #Previous menu
            break
        else:
            #for wrong input
            print("Wrong Input Try Again!")

print("=====================================================")
            a=input("Press enter key to continue")
    except Exception as e:
        print(e)
```

vanshlib

```
import pandas as pd
import mysql.connector as a
con=a.connect(host="localhost",user="root",passwd="chunar@123",datab
ase="vanshlib")
#defining function to issue the book
def issueb():
    n=input("Enter the Name of Student :")
    r=input("Enter the Reg No of Student :")
    query=("select *from books_record")
    c=con.cursor()
    c.execute(query)
    ss=c.fetchall()
    df=pd.DataFrame(ss,columns=['Name of
book','Edition','Publisher','Book_Code','Author','Price','Number of books'])
    #for displaying record
    print(df)
    co=input("Enter the Book Code :")
    d=input("Enter Date :")
    a="select book_number from books_record where Book_Code='{}'"
    c.execute(a.format(co,))
    myresult=c.fetchone()
    if myresult[0]>0:
        a="insert into ISSUES values('{}','{}','{}','{}')"
        data=(n,r,co,d)
        c.execute(a.format(n,r,co,d))
        con.commit()

print("================================================")
        print("Book issued to :",n)
```

```
            bookup(co,-1)
        else:

print("=================================================")
            print("Book is not available")

#defining function to submit book
def submitb():
        n=input("Enter the Name of Student :")
        r=input("Enter the Reg No of Student :")
        co=input("Enter the Book Code :")
        d=input("Enter Date :")
        a="insert into SUBMIT values('{}','{}','{}','{}')"
        c=con.cursor()
        c.execute(a.format(n,r,co,d))
        con.commit()
        bookup(co,1)

print("=================================================")
        print("Book Submited :",n)
        a="delete from ISSUES where Stud_Name='{}'"
        c.execute(a.format(n,))
        con.commit()
#for book no. update
def bookup(cd,bn):
    a="select book_number from  books_record where Book_Code='{}'"
    c=con.cursor()
    c.execute(a.format(cd,))
    myresult=c.fetchone()
    t=myresult[0] + bn
    sql="update books_record set book_number={} where Book_Code='{}'"
    c.execute(sql.format(t,cd))
    con.commit()
 #defining function to display issues table
def dispissues():
```

```
        a="select * from ISSUES"
        c=con.cursor()
        c.execute(a)
        myresult=c.fetchall()
        for i in myresult:
                print("Student Name :",i[0])
                print("Reg No :",i[1])
                print("Book Code :",i[2])
                print("Date of Issue :",i[3])

print("==================================================")
 #defining function to display submit table
def dispsubmit():
        a="select * from SUBMIT"
        c=con.cursor()
        c.execute(a)
        myresult=c.fetchall()
        for i in myresult:
                print("Student Name :",i[0])
                print("Reg No :",i[1])
                print("Book Code :",i[2])
                print("Date of Submit :",i[3])

print("==================================================")
#defining function of main
def main():
    while True:
        try:
            print('''|-------------------------------------------------------------------------
-------------------------|
                                    1. ISSUE BOOKS
|-----------------------------------------------------------------------------------------
|
                                    2. SUBMIT BOOK
```

```
|-------------------------------------------------------------------------------------------
|
                                    3. DISPLAY ISSUES
|-------------------------------------------------------------------------------------------
|
                                    4. DISPLAY SUBMISSION
|-------------------------------------------------------------------------------------------
|
                                    5. PREVIOUS MENU
|-------------------------------------------------------------------------------------------
|'')
            Choice=input("Enter Task No :")
            print("|-------------------------------------------------------------------------
------------------------|")
            if Choice=='1':
                print("|-------------------------------------------------------------------
------------------------------|")
                issueb()
                print("|-------------------------------------------------------------------
------------------------------|")
                a=input("Press enter key to continue")
            elif Choice=='2':
                print("|-------------------------------------------------------------------
------------------------------|")
                submitb()
                print("|-------------------------------------------------------------------
------------------------------|")
                a=input("Press enter key to continue")
            elif Choice=='3':
                print("|-------------------------------------------------------------------
------------------------------|")
                dispissues()
                print("|-------------------------------------------------------------------
------------------------------|")
                a=input("Press enter key to continue")
```

```
                elif Choice=='4':
                    print("|----------------------------------------------------------------
------------------------------|")
                    dispsubmit()
                    print("|----------------------------------------------------------------
------------------------------|")
                    a=input("Press enter key to continue")
                elif Choice=="5":
                    break
                else:
                    print("|----------------------------------------------------------------
------------------------------|")

print("==================================================
=========")
                    print("Wrong Choice.....")

print("==================================================
=========")
                    print("|----------------------------------------------------------------
------------------------------|")
            except Exception as e:
                print(e)
```