import mysql.connector

con=mysql.connector.connect(host="localhost", user="root", password="Mages@18",autocommit=True)

c=con.cursor(buffered=True)

c.execute("create database if not already exists library\_db")

c.execute("use library\_db")

c.execute("create table if not exists book(b\_id varchar(5) primary key,b\_name varchar(50),author varchar(50),isbn varchar(10),publisher varchar(50), available varchar(5) defauly'yes')")

c.execute("create table if not exists issue\_details(b\_id varchar(5), member\_id varchar(10), member\_name varchar(50) Not null, foreign key(b\_id) refrences book(b\_id))")

def create\_book():

bid=input("Enter Book ID:")

name=input("Enter Book Name:")

author=input("Author Name:")

isbn=input("ISBN:")

publisher=input("Publisher:")

data=(bid,title,author,isbn,publisher)

sql='insert into books(b\_id,b\_name,author,isbn,publisher) values(%s,%s,%s,%s,%s)'

c.execute(sql,data)

print("Data entered successfully for book id",bid)

def delete\_book():

bid=input("Enter Book ID:")

c.execute("delete from books where b\_id=%s",(bid,))

display\_books()

def issue\_book():

m\_name=input("Enter your Name:")

m\_id=input("Enter reg no:")

book=input("Enter Book Name:")

c.execute("select b\_id from books where b\_name='"+book+"'and available='YES'")

book\_id=c.fetchone()

bid=book\_id[0]

print(bid)

a="insert into issue\_details values(%s,%s,%s)"

data=(bid,s\_id,s\_name)

c.execute(a,data)

c.execute("update books set available='no' where b\_id='"+bid+"'")

print(book,"book issued to", m\_name)

def return\_book():

name=input("Enter your Name:")

bid=input("Enter Book ID:")

c.execute("update books set available='yes' where b\_id='"+bid+"'")

c.execute("delete from issue\_details where b\_id=%s",(bid,))

print("book id",bid,"book returned by", name)

def display\_books():

sql="select\* from books"

c.execute(sql)

my\_result=c.fetchall()

print("Book ID\t Booktitle\t Author\t Available\t")

for i in my\_result:

print(i[0], "\t", i[1], "\t", i[2], "\t", i[3])

def search\_book():

book=input('enter the name of book')

sql="search \* from books where b\_name='"+book+"'"

sql="search \* from author where author='"+author+"'"

c.execute(sql)

my\_result=c.fetchall()

print("Book ID\t Book title\t Author\t Available\t")

for i in my\_result:

print(i[0], "\t", i[1], "\t", i[2], "\t", i[3])

def diplay\_issued\_books():

c.execute("select issue\_details.\*, books.b\_name from issue\_details, books where issue\_details.\*")

my\_result=c.fetchall()

print("list of issued book:")

print("Book ID, book name, Reg no, Member Name")

username=input("Enter username:")

password=input("Enter Password:")

if username=='admin'and password=='library12':

print('Welcome Admin')

while True:

print("""Library Management System

1.Create book 2.Issue book 3.Return book 4.Search book 5.Display book 8.Exit""")

ch=input("Enter your choice:")

if ch=='1':

create\_book()

elif ch=='2':

issue\_book()

elif ch=='3':

return\_book()

elif ch=='4':

search\_book()

elif ch=='5':

print("1.All books 2.Issued books 3.Particular book")

choice=int(input("select anyone"))

if choice==1:

display\_books()

elif choice==2:

display\_issued\_books()

elif choice==3:

select\_book()

else:

print("wrong choice")

else:

break

else:

print("Wrong username or Password,access denied")