**ADVANTAGES**

1.Easy to operate

2. Easy to maintain records

3.No chance of losing or misinterpretation of data

4. Beneficial over the current manual system

**Modules/functions/Variables used in the code**

**With One line explanation for each**

* Mysql.connector – used to help python access MySQL database
* user and passwd – Username and Password
* Other variables – n, r, co, d
* User-defined functions are the main element used to run the code
* Basic python commands such as print, input, etc.
* other sql commands

**DING**import mysql.connector as a

con = a.connect(host="localhost",user="root",passwd="Manojkhu123",database="library")

def addbook():

bn = input("Enter book name:")

c = input("Enter book code:")

t = input("Total books:")

s = input("Enter subject:")

data = (bn,c,t,s)

sql = "insert into book values(%s,%s,%s,%s)"

c=con.cursor()

c.execute(sql,data)

con.commit()

print("------------------------------------------")

print("Data entered successfully")

main()

def issueb():

n = input("Enter name:")

r = input("Enter reg no.:")

co = input("Enter the book code:")

d = input("Enter date:")

a = "Insert into issue values(%s,%s,%s,%s)"

data = (n,r,co,d)

c = con.cursor()

c.execute(a,data)

con.commit()

print("------------------------------------------")

print("Book issued to:",n)

bookup(co,-1)

def submitb():

n = input("Enter name:")

r = input("Enter reg no.:")

co = input("Enter the book code:")

d = input("Enter date:")

a = "Insert into issue values(%s,%s,%s,%s)"

data = (n,r,co,d)

c = con.cursor()

c.execute(a,data)

con.commit()

print("------------------------------------------")

print("Book submitted by:",n)

bookup(co,1)

def bookup(co,u):

a = "select TOTAL from book where BCODE = %S"

data = (co,)

c = con.cursor()

c.execute(a,data)

myresult=c.fetchone()

t=myresult[0]+u

sql = "update book set TOTAL = %s where BCODE = %s"

d = (t,co)

c.execute(sql,d)

con.commit()

main()

def dbook():

ac = input("Enter book code:")

a = "Delete from book where BCODE = %s"

data = (ac,)

c = con.cursor()

c.execute(a,data)

con.commit()

main()

def dispbook():

a = "select \* from book"

c = con.cursor()

c.execute(a)

myresult = c.fetchall()

for i in myresult:

print("Book Name:",i[0])

print("Book code:",i[1])

print("Total:",i[2])

print("----------------------")

main()

def main():

print( """ LIBRARY MANAGER

1. ADD BOOK

2. ISSUE BOOK

3. SUBMIT BOOK

4. DELETE BOOK

5. DISPLAY BOOKS

""")

def pswd():

ps = input("Enter password")

if ps == "library":

main()

else:

print("Wrong password! Try again!")

pswd()

pswd()

print("--------------------------")

choice = input("Enter command number:")

if(choice=='1'):

addbook()

elif(choice=='2'):

issueb()

elif(choice=='3'):

submitb()

elif(choice=='4'):

dbook()

elif(choice=='5'):

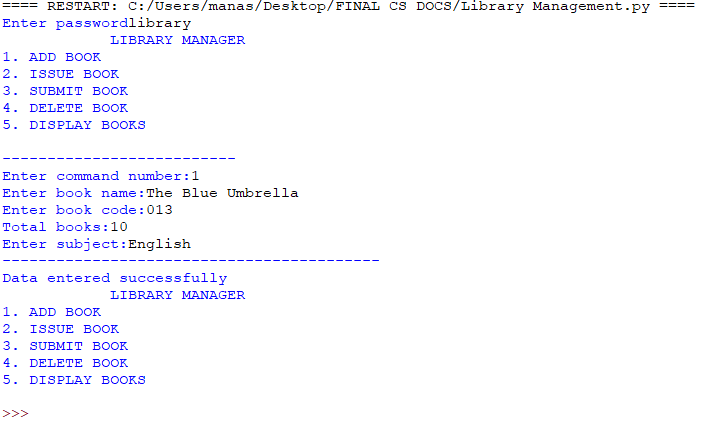
dispbook()

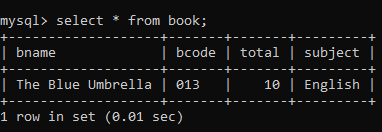
else:

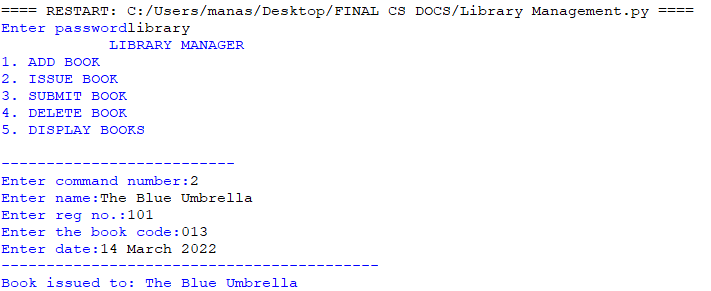
print("Wrong choice")

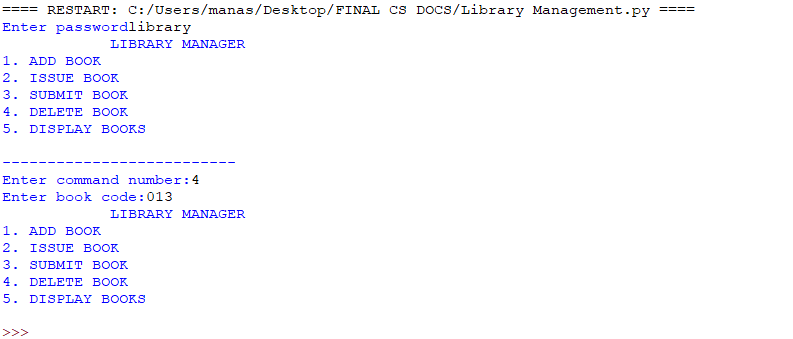
main()

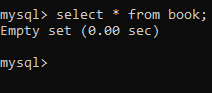
**OUTPUT**

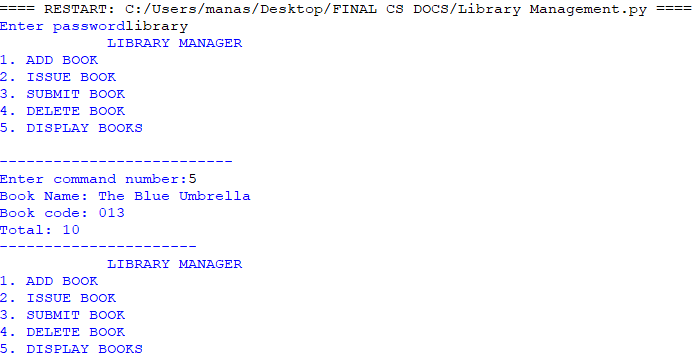
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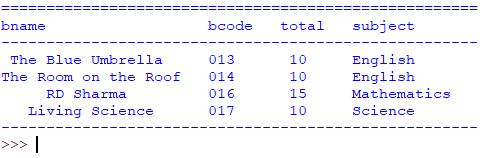


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