****

**KENDRIYA VIDYALAYA**

**NO-2 ARMY BHUJ**

**(2020-21)**

**C.S INVESTIGATORY PROJECT**

**TOPIC:**





**SUMITTED BY- Tushar Patel**

**Dhruv Gautam**

**CERTIFICATE**

*This is to certify that* ***Tushar Patel, Dhruv Gautam*** *student of Class* ***XII-Science******KENDRIYA VIDALAYA NO-2 ARMY BHUJ*** *has completed the project titled* ***“School and Fee management”****during the academic year 2020-2021 towards partial fulfillment of credit for the CS practical evaluation of CBSE 2021, and submitted satisfactory report, as compiled in the following pages, under my supervision.*

**Sh. B.L Kashyap External**

**(PGT C.S) Examiner**

**Sh. Rajesh.Trivadi**

**(Principal)**

**Acknowledgement**

***I am highly grateful to Mr. B.L Kashyap, our CS teacher, for his kind guidance and encouragement. Without his untiring help, it would not have been possible for me to perform this project. My special thanks to our respected principal Sh. Rajesh.Trivadi for his inspiration and motivation. Too many thanks to our willingly or unwilling contribution to this project and whose name do not appear here, I expected big thanks.***

***I wish to thanks MY PARENTS for their undivided support & interest who inspired me &encouraged me to go my own way, without which I would be unable to complete my project. And at last by no means the least I would thanks to God who made the entire thing possible.***

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Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.

* **Python is Interpreted** − Python is processed at runtime by the interpreter. You do not need to compile your program before executing it. This is similar to PERL and PHP.
* **Python is Interactive** − You can actually sit at a Python prompt and interact with the interpreter directly to write your programs.
* **Python is Object-Oriented** − Python supports Object-Oriented style or technique of programming that encapsulates code within objects.
* **Python is a Beginner's Language** − Python is a great language for the beginner-level programmers and supports the development of a wide range of applications from simple text processing to WWW browsers to games



**INTRODUCTION**





**Requirements**

**Software Specifications**

**1. Python (3.7.4)**

* **Os**
* **Mysql.connector**
* **Tkinter**

**2. Microsoft Word 10**

**CODING**



**from tkinter import \***

**from tkinter import messagebox**

**import os**

**import mysql.connector as db**

**from tkinter import ttk**

**def One\_submit\_button\_stu():**

**try:**

**global d\_name**

**global tv**

**global One\_entry**

**global adminno\_entry**

**global adminno**

**global stu\_tv**

**global ref\_entry**

**ID = One\_entry.get()**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=d\_name)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from student\_data where Reference\_no=%s" %ID)**

**one = cursor.fetchall()**

**if one== []:**

**messagebox.showerror("Error", "No row with entered reference no. exist..")**

**for i in one:**

**stu\_tv.insert("", 'end', values=i)**

**except:**

**messagebox.showerror("ERROR","""1. Please make sure you have entered and integer value.**

**2. student\_Library table exist in your database """)**

**def show\_stu\_one():**

**global stu**

**global stu\_tv**

**global One\_entry**

**showone\_win = Toplevel(stu)**

**showone\_win.title("ONE RECORD")**

**showone\_win.geometry("1300x250")**

**showone\_win.config(bg="#525252")**

**# frame\_one= LabelFrame(showone\_win)**

**# frame\_one.grid()**

**Label(showone\_win,text="Enter exact Reference No. below to display the Particular record:-",font=("Chiller","20"),bg="#525252", fg="#f6f6e9").grid(row=0,column=0,padx=50)**

**One\_entry = Entry(showone\_win, width=20, borderwidth=3, bg="#212121", fg="#8ef6e4")**

**One\_entry.grid(row=1, column=0,pady=10)**

**One\_submit\_btn = Button(showone\_win, text="Submit", command=One\_submit\_button\_stu, bg="#525252", fg="#8ef6e4")**

**One\_submit\_btn.grid(row=2, column=0,pady=10)**

**stu\_tv = ttk.Treeview(showone\_win, columns=(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12,13), show="headings",height="5")**

**stu\_tv.grid(row=3,pady=30)**

**stu\_tv.heading(1, text='Reference\_No')**

**stu\_tv.column(1, width=100)**

**stu\_tv.heading(2, text='Admission\_No')**

**stu\_tv.column(2, width=100)**

**stu\_tv.heading(3, text='student\_name')**

**stu\_tv.column(3, width=130)**

**stu\_tv.heading(4, text='class\_sec')**

**stu\_tv.column(4, width=70)**

**stu\_tv.heading(5, text='stream')**

**stu\_tv.column(5, width=70)**

**stu\_tv.heading(6, text='Book\_borrowed')**

**stu\_tv.column(6, width=140)**

**stu\_tv.heading(7, text='bookID')**

**stu\_tv.column(7, width=70)**

**stu\_tv.heading(8, text='Author\_name')**

**stu\_tv.column(8, width=140)**

**stu\_tv.heading(9, text='bookMRP')**

**stu\_tv.column(9, width=70)**

**stu\_tv.heading(10, text='Date\_borrowed')**

**stu\_tv.column(10, width=100)**

**stu\_tv.heading(11, text='Due\_Date')**

**stu\_tv.column(11, width=80)**

**stu\_tv.heading(12, text='State')**

**stu\_tv.column(12, width=100)**

**stu\_tv.heading(13, text='Phone\_No')**

**stu\_tv.column(13, width=110)**

**# scrollbar vertical**

**scroll\_v = ttk.Scrollbar(showone\_win, orient="vertical", command=stu\_tv.yview)**

**stu\_tv.configure(yscroll=scroll\_v.set)**

**scroll\_v.grid(row=3, column=12, sticky="ns")**

**def show\_one\_connect():**

**try:**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global adminno**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=ACTIVE, command=show\_stu\_one)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create student Table'")**

**def showone\_win():**

**global stu**

**global stu\_add**

**global database\_name**

**global adminno\_entry**

**stu\_add = Toplevel(stu)**

**stu\_add.title("STUDENT WINDOW-UPDATE")**

**stu\_add.geometry("250x400")**

**stu\_add.config(bg="#525252")**

**database\_label = Label(stu\_add, text="Enter Database name :-", bg="#525252", fg="#c9fdd7")**

**database\_label.grid()**

**database\_name = Entry(stu\_add, width=20, borderwidth=2, bg="#525252", fg="#f8fcfb")**

**database\_name.grid()**

**submit\_button = Button(stu\_add, text="Submit", command=show\_one\_connect, bg="#525252", fg="#f8fcfb")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def show\_stu\_all():**

**global stu**

**global d\_name**

**global stu\_tv**

**showall\_win = Toplevel(stu)**

**showall\_win.title("ALL RECORDS")**

**showall\_win.geometry("1300x550")**

**showall\_win.config(bg="#525252")**

**show\_frame= LabelFrame(showall\_win)**

**show\_frame.grid()**

**Label(show\_frame,text="ALL RECORDS",font=("lucida grande","20"),bg="#525252", fg="#f6f6e9").grid()**

**stu\_tv = ttk.Treeview(showall\_win,columns=(1,2,3,4,5,6,7,8,9,10,11,12,13),show="headings",height="15")**

**stu\_tv.grid()**

**stu\_tv.heading(1, text='Reference\_No')**

**stu\_tv.column(1, width=100)**

**stu\_tv.heading(2,text='Admission\_No')**

**stu\_tv.column(2,width=100)**

**stu\_tv.heading(3, text='student\_name')**

**stu\_tv.column(3,width=130)**

**stu\_tv.heading(4, text='class\_sec')**

**stu\_tv.column(4,width=70)**

**stu\_tv.heading(5, text='stream')**

**stu\_tv.column(5,width=70)**

**stu\_tv.heading(6, text='Book\_borrowed')**

**stu\_tv.column(6,width=140)**

**stu\_tv.heading(7, text='bookID')**

**stu\_tv.column(7,width=70)**

**stu\_tv.heading(8, text='Author\_name')**

**stu\_tv.column(8,width=140)**

**stu\_tv.heading(9, text='bookMRP')**

**stu\_tv.column(9,width=70)**

**stu\_tv.heading(10, text='Date\_borrowed')**

**stu\_tv.column(10,width=100)**

**stu\_tv.heading(11, text='Due\_Date')**

**stu\_tv.column(11,width=80)**

**stu\_tv.heading(12, text='State')**

**stu\_tv.column(12, width=100)**

**stu\_tv.heading(13, text='Phone\_No')**

**stu\_tv.column(13,width=110)**

**#scrollbar vertical**

**scroll\_v = ttk.Scrollbar(showall\_win,orient="vertical",command=stu\_tv.yview)**

**stu\_tv.configure(yscroll=scroll\_v.set)**

**scroll\_v.grid(row=0,column=13,sticky="ns")**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root",database=d\_name)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from student\_data")**

**result = cursor.fetchall()**

**for i in result:**

**stu\_tv.insert("", 'end', values=i)**

**def show\_all\_connect():**

**try:**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global adminno**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=ACTIVE,command=show\_stu\_all)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create student Table'")**

**def show\_allstu\_submit():**

**global stu**

**global stu\_add**

**global database\_name**

**global adminno\_entry**

**stu\_add = Toplevel(stu)**

**stu\_add.title("STUDENT WINDOW-UPDATE")**

**stu\_add.geometry("250x400")**

**stu\_add.config(bg="#525252")**

**database\_label = Label(stu\_add, text="Enter Database name :-", bg="#525252", fg="#c9fdd7")**

**database\_label.grid()**

**database\_name = Entry(stu\_add, width=20, borderwidth=2, bg="#525252", fg="#f8fcfb")**

**database\_name.grid()**

**submit\_button = Button(stu\_add, text="Submit", command=show\_all\_connect, bg="#525252", fg="#f8fcfb")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def save\_updated\_data():**

**global frame\_Dbase**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global ref\_entry**

**global state\_entry**

**dname = database\_name.get()**

**ref\_no =ref\_entry.get()**

**adminno = adminno\_entry.get()**

**studentname = stuname\_entry.get()**

**class\_sec = classec\_entry.get()**

**stu\_stream = stream\_entry.get()**

**borrowB = Bookborrow\_entry.get()**

**B\_ID = bookid\_entry.get()**

**Author\_name = Author\_entry.get()**

**mrp = MRP\_entry.get()**

**borrow\_D = Dateborrwed\_entry.get()**

**D\_date = Duedate\_entry.get()**

**state\_stu = state\_entry.get()**

**P\_no = Phoneno\_entry.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**add= "update student\_data set admission\_no=%s,student\_name=%s,class\_section=%s,stream=%s,book\_borrowed=%s,bookID=%s,author\_name=%s,bookMRP=%s,date\_borrowed=%s,Due\_date=%s,state=%s,phoneNo=%s where Reference\_no =%s"**

**data= (adminno,studentname,class\_sec,stu\_stream,borrowB,B\_ID,Author\_name,mrp,borrow\_D,D\_date,state\_stu,P\_no,ref\_no)**

**cursor.execute(add,data)**

**mydb.commit()**

**messagebox.showinfo("UPDATED","DATA UPDATED SUCCESSFULLY")**

**save = Button(frame\_Dbase, text="SAVE RECORD", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4",state=DISABLED)**

**save.grid(pady=10, sticky=NSEW, row=13, column=1)**

**def Save\_stu\_Rec():**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global delete\_stu\_win**

**global stu**

**global dname**

**global frame\_Dbase**

**global adminno**

**global ref\_entry**

**global state\_entry**

**dname = database\_name.get()**

**ref\_no = ref\_entry.get()**

**adminno = adminno\_entry.get()**

**studentname = stuname\_entry.get()**

**class\_sec = classec\_entry.get()**

**stu\_stream = stream\_entry.get()**

**borrowB = Bookborrow\_entry.get()**

**B\_ID = bookid\_entry.get()**

**Author\_name = Author\_entry.get()**

**mrp = MRP\_entry.get()**

**borrow\_D = Dateborrwed\_entry.get()**

**D\_date = Duedate\_entry.get()**

**state\_stu= state\_entry.get**

**P\_no = Phoneno\_entry.get()**

**mydb = db.connect(host="localhost", password="root", user="root", database=dname)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from student\_data where reference\_no=%s" % ref\_no)**

**all = cursor.fetchall()**

**for result in all:**

**adminno\_entry.insert(0,result[1])**

**stuname\_entry.insert(0,result[2])**

**classec\_entry.insert(0,result[3])**

**stream\_entry.insert(0,result[4])**

**Bookborrow\_entry.insert(0,result[5])**

**bookid\_entry.insert(0,result[6])**

**Author\_entry.insert(0,result[7])**

**MRP\_entry.insert(0,result[8])**

**Dateborrwed\_entry.insert(0,result[9])**

**Duedate\_entry.insert(0,result[10])**

**state\_entry.insert(0,result[11])**

**Phoneno\_entry.insert(0,result[12])**

**save = Button(frame\_Dbase, text="SAVE RECORD", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4",command=save\_updated\_data,state=ACTIVE)**

**save.grid(pady=10, sticky=NSEW, row=13, column=1)**

**def update\_win():**

**global frame\_Dbase**

**global stu**

**global stu\_add**

**global d\_name**

**global stu\_update**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global ref\_entry**

**global state\_entry**

**stu\_update = Toplevel(stu)**

**stu\_update.geometry("600x700")**

**stu\_update.title("UPDATE RECORD")**

**stu\_update.config(bg="#525252")**

**frame\_Dbase = LabelFrame(stu\_update, borderwidth=5, height=5, bg="#525252")**

**frame\_Dbase.grid(padx=80, pady=10)**

**Label(stu\_update, text="Only enter Reference no. and rest fields program will fill on its own. ",font=("lucida grande", "10"),bg="#525252", fg="#f6f6e9").grid()**

**Label(stu\_update, text="Note:- 1.only one record is going to update at once and you can not change the reference no. ",font=("lucida grande", "10"),bg="#525252", fg="#f6f6e9").grid()**

**Label(stu\_update, text=" 2.You have to entered exact reference no. otherwise it will not fill the entry fields ", font=("lucida grande", "10"),bg="#525252", fg="#f6f6e9").grid()**

**ref\_label = Label(frame\_Dbase, text="Reference No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**adminno\_label = Label(frame\_Dbase, text="Admission No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stuname\_label = Label(frame\_Dbase, text="Student Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**classec\_label = Label(frame\_Dbase, text="Class & sec :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stream\_label = Label(frame\_Dbase, text="Stream :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Bookborrow\_label = Label(frame\_Dbase, text="Book Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**bookid\_label = Label(frame\_Dbase, text="Book ID :-", font=("lucida grande", "15"), anchor=W,bg="#525252", fg="#c7ffff")**

**Author\_label = Label(frame\_Dbase, text="Author Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**MRP\_label = Label(frame\_Dbase, text="BookMRP :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Dateborrwed\_label = Label(frame\_Dbase, text="Date Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Duedate\_label = Label(frame\_Dbase, text="Due Date :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**state\_label = Label(frame\_Dbase, text="State (returend/Not returned) :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Phoneno\_label = Label(frame\_Dbase, text="Phone No. :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**ref\_label.grid(sticky=W, pady=4)**

**adminno\_label.grid(sticky=W, pady=4)**

**stuname\_label.grid(sticky=W, pady=4)**

**classec\_label.grid(sticky=W, pady=4)**

**stream\_label.grid(sticky=W, pady=4)**

**Bookborrow\_label.grid(sticky=W, pady=4)**

**bookid\_label.grid(sticky=W, pady=4)**

**Author\_label.grid(sticky=W, pady=4)**

**MRP\_label.grid(sticky=W, pady=4)**

**Dateborrwed\_label.grid(sticky=W, pady=4)**

**Duedate\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**Phoneno\_label.grid(sticky=W, pady=4)**

**ref\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**adminno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stuname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**classec\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stream\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**bookid\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Author\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**MRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Dateborrwed\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Duedate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Phoneno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**ref\_entry.grid(row=0, column=1, padx=10, pady=4)**

**adminno\_entry.grid(row=1, column=1, padx=10, pady=4)**

**stuname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**classec\_entry.grid(row=3, column=1, padx=10, pady=4)**

**stream\_entry.grid(row=4, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=5, column=1, padx=10, pady=4)**

**bookid\_entry.grid(row=6, column=1, padx=10, pady=4)**

**Author\_entry.grid(row=7, column=1, padx=10, pady=4)**

**MRP\_entry.grid(row=8, column=1, padx=10, pady=4)**

**Dateborrwed\_entry.grid(row=9, column=1, padx=10, pady=4)**

**Duedate\_entry.grid(row=10, column=1, padx=10, pady=4)**

**state\_entry.grid(row=11, column=1, padx=10, pady=4)**

**Phoneno\_entry.grid(row=12, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="Done", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=Save\_stu\_Rec)**

**done.grid(pady=10, sticky=NSEW, row=13, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=upd\_destroy)**

**back\_btn.grid(pady=10, row=13, column=0)**

**def upd\_destroy():**

**global stu\_update**

**stu\_update.withdraw()**

**def stu\_update\_connect():**

**try:**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global adminno**

**global ref\_entry**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=ACTIVE, command=update\_win)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create student Table'")**

**def update\_stu():**

**global stu**

**global stu\_add**

**global database\_name**

**global adminno\_entry**

**global ref\_entry**

**stu\_add = Toplevel(stu)**

**stu\_add.title("STUDENT WINDOW-UPDATE")**

**stu\_add.geometry("250x400")**

**stu\_add.config(bg="#525252")**

**database\_label = Label(stu\_add, text="Enter Database name :-", bg="#525252", fg="#c9fdd7")**

**database\_label.grid()**

**database\_name = Entry(stu\_add, width=20, borderwidth=2, bg="#525252", fg="#f8fcfb")**

**database\_name.grid()**

**submit\_button = Button(stu\_add, text="Submit", command=stu\_update\_connect, bg="#525252", fg="#f8fcfb")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def student\_Delete():**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global delete\_stu\_win**

**global stu**

**global dname**

**global frame\_Dbase**

**global adminno**

**global ref\_entry**

**global state\_entry**

**dname= database\_name.get()**

**ref\_no = ref\_entry.get()**

**adminno = adminno\_entry.get()**

**studentname = stuname\_entry.get()**

**class\_sec = classec\_entry.get()**

**stu\_stream = stream\_entry.get()**

**borrowB = Bookborrow\_entry.get()**

**B\_ID = bookid\_entry.get()**

**Author\_name = Author\_entry.get()**

**mrp = MRP\_entry.get()**

**borrow\_D = Dateborrwed\_entry.get()**

**D\_date = Duedate\_entry.get()**

**state\_stu =state\_entry**

**P\_no = Phoneno\_entry.get()**

**mydb = db.connect(host="localhost",password="root",user="root",database=dname)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from student\_data where reference\_no=%s"%ref\_no)**

**all = cursor.fetchall()**

**# ref\_entry.delete(0, END)**

**# adminno\_entry.delete(0, END)**

**# stuname\_entry.delete(0, END)**

**# classec\_entry.delete(0, END)**

**# stream\_entry.delete(0, END)**

**# Bookborrow\_entry.delete(0, END)**

**# Author\_entry.delete(0, END)**

**# bookid\_entry.delete(0, END)**

**# Dateborrwed\_entry.delete(0, END)**

**# Duedate\_entry.delete(0, END)**

**# MRP\_entry.delete(0, END)**

**# state\_entry.delete(0,END)**

**# Phoneno\_entry.delete(0, END)**

**for result in all:**

**# ref\_entry.insert(0,result[0])**

**adminno\_entry.insert(0,result[1])**

**stuname\_entry.insert(0,result[2])**

**classec\_entry.insert(0,result[3])**

**stream\_entry.insert(0,result[4])**

**Bookborrow\_entry.insert(0,result[5])**

**bookid\_entry.insert(0,result[6])**

**Author\_entry.insert(0,result[7])**

**MRP\_entry.insert(0,result[8])**

**Dateborrwed\_entry.insert(0,result[9])**

**Duedate\_entry.insert(0,result[10])**

**state\_entry.insert(0,result[11])**

**Phoneno\_entry.insert(0,result[12])**

**a = messagebox.askquestion("choice", "Do you want to Delete the entered information")**

**if a == "yes":**

**cursor.execute("delete from student\_data where reference\_no= %s" %ref\_no)**

**mydb.commit()**

**messagebox.showinfo("DELETED", "DATA DELETED SUCCESSFULLY")**

**ref\_entry.delete(0,END)**

**adminno\_entry.delete(0, END)**

**stuname\_entry.delete(0, END)**

**classec\_entry.delete(0, END)**

**stream\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**Author\_entry.delete(0, END)**

**bookid\_entry.delete(0, END)**

**Dateborrwed\_entry.delete(0, END)**

**Duedate\_entry.delete(0, END)**

**MRP\_entry.delete(0, END)**

**state\_entry.delete(0,END)**

**Phoneno\_entry.delete(0, END)**

**def del\_destroy():**

**global delete\_stu\_win**

**delete\_stu\_win.withdraw()**

**def delete\_stu\_rec():**

**global delete\_stu\_win**

**global stu**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global adminno**

**global ref\_entry**

**global state\_entry**

**delete\_stu\_win = Toplevel(stu)**

**delete\_stu\_win.geometry("600x550")**

**delete\_stu\_win.title("DELETE RECORD")**

**delete\_stu\_win.config(bg="#525252")**

**frame\_Dbase = LabelFrame(delete\_stu\_win, borderwidth=5, height=5)**

**frame\_Dbase.grid(padx=80, pady=10)**

**frame\_Dbase.config(bg="#525252")**

**stu\_add.withdraw()**

**ref\_label = Label(frame\_Dbase, text="Reference No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**adminno\_label = Label(frame\_Dbase, text="Admission No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stuname\_label = Label(frame\_Dbase, text="Student Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**classec\_label = Label(frame\_Dbase, text="Class & sec :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stream\_label = Label(frame\_Dbase, text="Stream :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Bookborrow\_label = Label(frame\_Dbase, text="Book Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**bookid\_label = Label(frame\_Dbase, text="Book ID :-", font=("lucida grande", "15"), anchor=W,bg="#525252", fg="#c7ffff")**

**Author\_label = Label(frame\_Dbase, text="Author Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**MRP\_label = Label(frame\_Dbase, text="BookMRP :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Dateborrwed\_label = Label(frame\_Dbase, text="Date Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Duedate\_label = Label(frame\_Dbase, text="Due Date :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**state\_label = Label(frame\_Dbase, text="State (returend/Not returned) :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Phoneno\_label = Label(frame\_Dbase, text="Phone No. :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**ref\_label.grid(sticky=W, pady=4)**

**adminno\_label.grid(sticky=W, pady=4)**

**stuname\_label.grid(sticky=W, pady=4)**

**classec\_label.grid(sticky=W, pady=4)**

**stream\_label.grid(sticky=W, pady=4)**

**Bookborrow\_label.grid(sticky=W, pady=4)**

**bookid\_label.grid(sticky=W, pady=4)**

**Author\_label.grid(sticky=W, pady=4)**

**MRP\_label.grid(sticky=W, pady=4)**

**Dateborrwed\_label.grid(sticky=W, pady=4)**

**Duedate\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**Phoneno\_label.grid(sticky=W, pady=4)**

**ref\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**adminno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stuname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**classec\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stream\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**bookid\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Author\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**MRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Dateborrwed\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Duedate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Phoneno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**ref\_entry.grid(row=0, column=1, padx=10, pady=4)**

**adminno\_entry.grid(row=1, column=1, padx=10, pady=4)**

**stuname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**classec\_entry.grid(row=3, column=1, padx=10, pady=4)**

**stream\_entry.grid(row=4, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=5, column=1, padx=10, pady=4)**

**bookid\_entry.grid(row=6, column=1, padx=10, pady=4)**

**Author\_entry.grid(row=7, column=1, padx=10, pady=4)**

**MRP\_entry.grid(row=8, column=1, padx=10, pady=4)**

**Dateborrwed\_entry.grid(row=9, column=1, padx=10, pady=4)**

**Duedate\_entry.grid(row=10, column=1, padx=10, pady=4)**

**state\_entry.grid(row=11, column=1, padx=10, pady=4)**

**Phoneno\_entry.grid(row=12, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="Done", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=student\_Delete)**

**done.grid(pady=10, sticky=NSEW, row=13, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=del\_destroy)**

**back\_btn.grid(pady=10, row=13, column=0)**

**def stu\_database\_connect():**

**try:**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global adminno\_entry**

**global adminno**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=ACTIVE, command=delete\_stu\_rec)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create student Table'")**

**def stu\_database\_delete():**

**global stu**

**global stu\_add**

**global database\_name**

**global adminno\_entry**

**global ref\_entry**

**stu\_add = Toplevel(stu)**

**stu\_add.title("STUDENT WINDOW-DELETE")**

**stu\_add.geometry("600x450")**

**stu\_add.config(bg="#525252")**

**database\_label = Label(stu\_add, text="Enter Database name :-", bg="#525252", fg="#c9fdd7")**

**database\_label.grid()**

**database\_name = Entry(stu\_add, width=20, borderwidth=2, bg="#525252", fg="#f8fcfb")**

**database\_name.grid()**

**submit\_button = Button(stu\_add, text="Submit", command=stu\_database\_connect, bg="#525252", fg="#f8fcfb")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def add\_back\_btn():**

**global stu\_add\_new**

**stu\_add\_new.withdraw()**

**def add\_recto\_table():**

**global stu\_add\_new**

**global database\_name\_entry**

**global frame\_Dbase**

**global stu**

**global bookID1**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global d\_name**

**global stu\_add\_new**

**global adminno**

**global ref\_entry**

**global state\_entry**

**ref\_no = ref\_entry.get()**

**adminno = adminno\_entry.get()**

**studentname = stuname\_entry.get()**

**class\_sec = classec\_entry.get()**

**stu\_stream = stream\_entry.get()**

**borrowB = Bookborrow\_entry.get()**

**B\_ID = bookid\_entry.get()**

**Author\_name = Author\_entry.get()**

**mrp = MRP\_entry.get()**

**borrow\_D = Dateborrwed\_entry.get()**

**D\_date = Duedate\_entry.get()**

**state\_stu = state\_entry.get()**

**P\_no = Phoneno\_entry.get()**

**# frame\_Dbase = LabelFrame(stu\_add\_new, borderwidth=5, height=5)**

**# frame\_Dbase.grid(padx=80, pady=10)**

**try:**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**add = cursor.execute(**

**"insert into student\_data values({},{},'{}','{}','{}','{}',{},'{}',{},'{}','{}','{}',{})".format(ref\_no,**

**adminno,**

**studentname,**

**class\_sec,**

**stu\_stream,**

**borrowB,**

**B\_ID,**

**Author\_name,**

**mrp,**

**borrow\_D,**

**D\_date,**

**state\_stu,**

**P\_no))**

**# data = (bookID, bookname, authorname, purdate, publishername, bookMRP, state, rackno)**

**cursor.execute(add)**

**messagebox.showinfo("", "data inserted!!!")**

**mydb.commit()**

**ref\_entry.delete(0,END)**

**adminno\_entry.delete(0, END)**

**stuname\_entry.delete(0, END)**

**classec\_entry.delete(0, END)**

**stream\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**Author\_entry.delete(0, END)**

**bookid\_entry.delete(0, END)**

**Dateborrwed\_entry.delete(0, END)**

**Duedate\_entry.delete(0, END)**

**MRP\_entry.delete(0, END)**

**state\_entry.delete(0,END)**

**Phoneno\_entry.delete(0, END)**

**except:**

**messagebox.showerror("", """Error in some Entry feild.......Data not inserted.Try again!!!!.**

**Note: please make sure you have enter values according to correct datatype of respective fields or you have left entry field blank""")**

**def add\_rec():**

**global adminno**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**global stu\_add\_new**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global ref\_entry**

**global state\_entry**

**stu\_add\_new = Toplevel(stu\_add)**

**stu\_add\_new.geometry("600x600")**

**stu\_add\_new.title("ADD RECORDS")**

**stu\_add\_new.config(bg="#525252")**

**Label(stu\_add\_new, text="Reference No. need to be unique everytime Otherwise you will get an Error", font=("lucida grande", "12"),bg="#525252", fg="#f6f6e9").grid()**

**frame\_Dbase = LabelFrame(stu\_add\_new, borderwidth=5, height=5,bg="#525252")**

**frame\_Dbase.grid(padx=80, pady=10)**

**stu\_add.withdraw()**

**ref\_label = Label(frame\_Dbase, text="Reference No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**adminno\_label = Label(frame\_Dbase, text="Admission No :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stuname\_label = Label(frame\_Dbase, text="Student Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**classec\_label = Label(frame\_Dbase, text="Class & sec :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**stream\_label = Label(frame\_Dbase, text="Stream :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Bookborrow\_label = Label(frame\_Dbase, text="Book Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**bookid\_label = Label(frame\_Dbase, text="Book ID :-", font=("lucida grande", "15"), anchor=W,bg="#525252", fg="#c7ffff")**

**Author\_label = Label(frame\_Dbase, text="Author Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**MRP\_label = Label(frame\_Dbase, text="BookMRP :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Dateborrwed\_label = Label(frame\_Dbase, text="Date Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Duedate\_label = Label(frame\_Dbase, text="Due Date :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**state\_label = Label(frame\_Dbase, text="State (returend/Not returned) :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**Phoneno\_label = Label(frame\_Dbase, text="Phone No. :-", font=("lucida grande", "15"),bg="#525252", fg="#c7ffff")**

**ref\_label.grid(sticky=W, pady=4)**

**adminno\_label.grid(sticky=W, pady=4)**

**stuname\_label.grid(sticky=W, pady=4)**

**classec\_label.grid(sticky=W, pady=4)**

**stream\_label.grid(sticky=W, pady=4)**

**Bookborrow\_label.grid(sticky=W, pady=4)**

**bookid\_label.grid(sticky=W, pady=4)**

**Author\_label.grid(sticky=W, pady=4)**

**MRP\_label.grid(sticky=W, pady=4)**

**Dateborrwed\_label.grid(sticky=W, pady=4)**

**Duedate\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**Phoneno\_label.grid(sticky=W, pady=4)**

**ref\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**adminno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stuname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**classec\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**stream\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**bookid\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Author\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**MRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Dateborrwed\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Duedate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Phoneno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2,bg="#212121", fg="#c7ffff")**

**Duedate\_entry.insert(0, "YYYY-MM-DD")**

**Dateborrwed\_entry.insert(0, "YYYY-MM-DD")**

**ref\_entry.grid(row=0, column=1, padx=10, pady=4)**

**adminno\_entry.grid(row=1, column=1, padx=10, pady=4)**

**stuname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**classec\_entry.grid(row=3, column=1, padx=10, pady=4)**

**stream\_entry.grid(row=4, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=5, column=1, padx=10, pady=4)**

**bookid\_entry.grid(row=6, column=1, padx=10, pady=4)**

**Author\_entry.grid(row=7, column=1, padx=10, pady=4)**

**MRP\_entry.grid(row=8, column=1, padx=10, pady=4)**

**Dateborrwed\_entry.grid(row=9, column=1, padx=10, pady=4)**

**Duedate\_entry.grid(row=10, column=1, padx=10, pady=4)**

**state\_entry.grid(row=11, column=1, padx=10, pady=4)**

**Phoneno\_entry.grid(row=12, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="DONE", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=add\_recto\_table)**

**done.grid(pady=10, sticky=NSEW, row=13, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=add\_back\_btn)**

**back\_btn.grid(pady=10, row=13, column=0)**

**def sub\_add\_rec():**

**try:**

**global stu**

**global stu\_add**

**global d\_name**

**global database\_name\_entry**

**global database\_name**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("","Database connected succesfully")**

**next\_add\_button = Button(stu\_add, text="next", bg="#525252", fg="#f8fcfb", state=ACTIVE,command=add\_rec)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create Lib Button'")**

**def stu\_add\_record():**

**global stu**

**global stu\_add**

**global database\_name**

**stu\_add= Toplevel(stu)**

**stu\_add.title("STUDENT WINDOW-ADD")**

**stu\_add.geometry("600x450")**

**stu\_add.config(bg="#525252")**

**database\_label = Label(stu\_add, text="Enter Database name :-", font=("chiller", "20"), bg="#525252", fg="#c9fdd7" )**

**database\_label.grid()**

**database\_name = Entry(stu\_add, width=20, borderwidth=2, bg="#212121", fg="#f8fcfb")**

**database\_name.grid()**

**submit\_button = Button(stu\_add, text="Submit", command=sub\_add\_rec, bg="#525252", fg="#f8fcfb")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(stu\_add, text="Next", bg="#525252", fg="#f8fcfb", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def add\_rec\_for\_stu():**

**global database\_name\_entry**

**global frame\_Dbase**

**global stu**

**global bookID1**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global d\_name**

**global adminno**

**global ref\_entry**

**global state\_entry**

**ref\_no = ref\_entry.get()**

**adminno = adminno\_entry.get()**

**studentname=stuname\_entry.get()**

**class\_sec = classec\_entry.get()**

**stu\_stream= stream\_entry.get()**

**borrowB= Bookborrow\_entry.get()**

**B\_ID = bookid\_entry.get()**

**Author\_name= Author\_entry.get()**

**mrp = MRP\_entry.get()**

**borrow\_D= Dateborrwed\_entry.get()**

**D\_date= Duedate\_entry.get()**

**state\_stu = state\_entry.get()**

**P\_no=Phoneno\_entry.get()**

**frame\_Dbase = LabelFrame(database\_name\_entry, borderwidth=5, height=5)**

**frame\_Dbase.grid(padx=80, pady=10)**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**add = cursor.execute("insert into student\_data values({},{},'{}','{}','{}','{}',{},'{}',{},'{}','{}','{}',{})".format(ref\_no,adminno, studentname, class\_sec, stu\_stream, borrowB, B\_ID, Author\_name, mrp, borrow\_D, D\_date,state\_stu, P\_no ))**

**# data = (bookID, bookname, authorname, purdate, publishername, bookMRP, state, rackno)**

**cursor.execute(add)**

**messagebox.showinfo("", "data inserted!!!")**

**mydb.commit()**

**ref\_entry.delete(0,END)**

**adminno\_entry.delete(0, END)**

**stuname\_entry.delete(0, END)**

**classec\_entry.delete(0, END)**

**stream\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**Author\_entry.delete(0, END)**

**bookid\_entry.delete(0, END)**

**Dateborrwed\_entry.delete(0, END)**

**Duedate\_entry.delete(0, END)**

**MRP\_entry.delete(0, END)**

**state\_entry.delete(0,END)**

**Phoneno\_entry.delete(0, END)**

**# except:**

**# messagebox.showerror("", """Error in some Entry feild.......Data not inserted.Try again!!!!.**

**# Note: please make sure you have enter values according to correct datatype of respective fields or you have left entry field blank""")**

**def submit\_stu\_base():**

**global d\_name**

**global database\_name**

**global database\_name\_entry**

**global adminno\_entry**

**global stuname\_entry**

**global classec\_entry**

**global stream\_entry**

**global Bookborrow\_entry**

**global Author\_entry**

**global bookid\_entry**

**global Dateborrwed\_entry**

**global Duedate\_entry**

**global MRP\_entry**

**global Phoneno\_entry**

**global adminno**

**global ref\_entry**

**global state\_entry**

**try:**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**cursor.execute("""CREATE TABLE student\_data(Reference\_no int(30) primary key not null,**

**Admission\_no int(20) not null,**

**student\_name varchar(30),**

**class\_section varchar(20) not null ,**

**stream char(15) default "NONE" ,**

**Book\_borrowed varchar(35) not null,**

**bookID int(10) not null,**

**author\_name char(40),**

**bookMRP decimal(10) default "0.00",**

**Date\_borrowed DATE not null,**

**Due\_date DATE not null,**

**state char(20) ,**

**PhoneNo bigint(18))""")**

**messagebox.showinfo("", "Table created sucessfully")**

**mydb.commit()**

**except:**

**messagebox.showerror("Unknown!!!!",**

**"Unknown database or Table with name student\_data already exist in this database")**

**database\_name\_entry.withdraw()**

**frame\_Dbase = LabelFrame(database\_name\_entry, borderwidth=5, height=5)**

**frame\_Dbase.grid(padx=80, pady=10)**

**frame\_Dbase.config(bg="#525252")**

**ref\_label = Label(frame\_Dbase, text="Reference No :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**adminno\_label = Label(frame\_Dbase, text="Admission No :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**stuname\_label = Label(frame\_Dbase, text="Student Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**classec\_label = Label(frame\_Dbase, text="Class & sec :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**stream\_label = Label(frame\_Dbase, text="Stream :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**Bookborrow\_label = Label(frame\_Dbase, text="Book Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**bookid\_label = Label(frame\_Dbase, text="Book ID :-", font=("lucida grande", "15"), anchor=W,bg="#525252", fg="#c9d6df")**

**Author\_label = Label(frame\_Dbase, text="Author Name :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**MRP\_label = Label(frame\_Dbase, text="BookMRP :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**Dateborrwed\_label = Label(frame\_Dbase, text="Date Borrowed :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**Duedate\_label = Label(frame\_Dbase, text="Due Date :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**state\_label = Label(frame\_Dbase, text="State (Returend/Not Returned) :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**Phoneno\_label = Label(frame\_Dbase, text="Phone No. :-", font=("lucida grande", "15"),bg="#525252", fg="#c9d6df")**

**ref\_label.grid(sticky=W, pady=4)**

**adminno\_label.grid(sticky=W, pady=4)**

**stuname\_label.grid(sticky=W, pady=4)**

**classec\_label.grid(sticky=W, pady=4)**

**stream\_label.grid(sticky=W, pady=4)**

**Bookborrow\_label.grid(sticky=W, pady=4)**

**bookid\_label.grid(sticky=W, pady=4)**

**Author\_label.grid(sticky=W, pady=4)**

**MRP\_label.grid(sticky=W, pady=4)**

**Dateborrwed\_label.grid(sticky=W, pady=4)**

**Duedate\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**Phoneno\_label.grid(sticky=W, pady=4)**

**ref\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**adminno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**stuname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**classec\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**stream\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**bookid\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Author\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**MRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Dateborrwed\_entry=Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Duedate\_entry =Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**state\_entry= Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Phoneno\_entry=Entry(frame\_Dbase, width=25, borderwidth=2, bg="#212121", fg="#c9d6df")**

**Duedate\_entry.insert(0, "YYYY-MM-DD")**

**Dateborrwed\_entry.insert(0, "YYYY-MM-DD")**

**ref\_entry.grid(row=0, column=1, padx=10, pady=4)**

**adminno\_entry.grid(row=1, column=1, padx=10, pady=4)**

**stuname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**classec\_entry.grid(row=3, column=1, padx=10, pady=4)**

**stream\_entry.grid(row=4, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=5, column=1, padx=10, pady=4)**

**bookid\_entry.grid(row=6, column=1, padx=10, pady=4)**

**Author\_entry.grid(row=7, column=1, padx=10, pady=4)**

**MRP\_entry.grid(row=8, column=1, padx=10, pady=4)**

**Dateborrwed\_entry.grid(row=9, column=1, padx=10, pady=4)**

**Duedate\_entry.grid(row=10, column=1, padx=10, pady=4)**

**state\_entry.grid(row=11, column=1, padx=10, pady=4)**

**Phoneno\_entry.grid(row=12, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="DONE", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=add\_rec\_for\_stu)**

**done.grid(pady=10, sticky=NSEW, row=13, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#525252", fg="#8ef6e4", command=back)**

**back\_btn.grid(pady=10, row=13, column=0)**

**def crea\_stu\_table():**

**global stu**

**global d\_name**

**global database\_name**

**global database\_name\_entry**

**global submit\_button**

**a = messagebox.askquestion("DataBase", "Do you have any database in which you want to create Student table?")**

**if a == "yes":**

**database\_name\_entry = Toplevel(stu)**

**database\_name\_entry.geometry("600x650")**

**database\_name\_entry.config(bg="#525252")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-", font=("Chiller","20"), bg="#525252", fg="#10eaf0")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2, bg="#212121", fg="#28df99")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_stu\_base,bg="#525252", fg="#28df99")**

**submit\_button.grid(pady=5)**

**else:**

**b = messagebox.askquestion("Choice", "Would you like to create one")**

**if b == "yes":**

**database\_name\_entry = Toplevel(stu)**

**database\_name\_entry.geometry("600x450")**

**database\_name\_entry.config(bg="#525252")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-", font=("Chiller","20"), bg="#525252", fg="#10eaf0")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2, bg="#212121", fg="#28df99")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_dname,bg="#525252", fg="#28df99")**

**submit\_button.grid(pady=5)**

**def window\_for\_stu\_system():**

**global stu**

**stu = Tk()**

**stu.geometry("550x400")**

**stu.title("STUDENT WINDOW")**

**stu.config(bg="#525252")**

**# first heading**

**name = Label(stu, text="LIBRARY MANAGEMENT SYSTEM", font=("Chiller", "32"), anchor="center",bg="#525252",fg="#b2fcff")**

**name.grid(row=0, column=0)**

**# second heading**

**s\_name = Label(stu, text="KENDRIYA VIDYALAYA NO.2 ARMY BHUJ", font=("Chiller", "23"), anchor="center",bg="#525252",fg="#b2fcff")**

**s\_name.grid()**

**frame = LabelFrame(stu, padx=50, pady=50)**

**frame.grid(row=3, column=0)**

**frame.config(bg="#525252")**

**add\_record = Button(frame, text="Add record", padx=20, pady=2,command=stu\_add\_record,bg="#212121", fg="#ffffff")**

**delete\_record = Button(frame, text="Delete record", padx=20, pady=2,command=stu\_database\_delete,bg="#212121", fg="#ffffff")**

**update\_record = Button(frame, text="Update record", padx=11, pady=2,command=update\_stu,bg="#212121", fg="#ffffff")**

**showall\_record = Button(frame, text="Show All record", padx=11, pady=2,command=show\_allstu\_submit,bg="#212121", fg="#ffffff")**

**showone\_record = Button(frame, text="Show One record", padx=7, pady=2,command=showone\_win,bg="#212121", fg="#ffffff")**

**stu\_table = Button(frame, text="Create student table", padx=2, pady=2,command=crea\_stu\_table,bg="#212121", fg="#ffffff")**

**add\_record.grid(row=0, column=0, padx=30, pady=9)**

**delete\_record.grid(row=0, column=1, padx=15, pady=9)**

**update\_record.grid(row=1, column=0, pady=9, padx=30)**

**showall\_record.grid(row=1, column=1, padx=15, pady=9)**

**showone\_record.grid(row=2, column=0, pady=9)**

**stu\_table.grid(row=2, column=1, padx=30)**

**stu.mainloop()**

**def One\_submit\_button():**

**try:**

**global d\_name**

**global tv**

**global One\_entry**

**global show\_one\_window**

**ID = One\_entry.get()**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=d\_name)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from library\_system where bookID=%s"%ID)**

**one = cursor.fetchone()**

**tv.insert("", 'end', values=one)**

**except:**

**messagebox.showerror("ERROR!!","Invalid datatype entered or record with entered ID not exist...")**

**def show\_one():**

**global d\_name**

**global tv**

**global One\_entry**

**global show\_one\_window**

**show\_one\_window = Toplevel(root)**

**show\_one\_window.geometry("1050x250")**

**show\_one\_window.resizable(False,False)**

**show\_one\_window.title("ONE RECORDS")**

**show\_one\_window.config(bg="#212121")**

**frame\_all = Frame(show\_one\_window)**

**frame\_all.grid(row=2)**

**One\_label= Label(show\_one\_window,text="Enter BookID of the record which you want to display:-",font=("Chiller","20"), fg="#28df99", bg="#212121")**

**One\_label.grid(row=0,column=0)**

**One\_entry = Entry(show\_one\_window, width=20, borderwidth=3, fg="#28df99", bg="#212121")**

**One\_entry.grid(row=1, column=0)**

**One\_submit\_btn = Button(show\_one\_window,text="Submit",command=One\_submit\_button, fg="#28df99", bg="#212121")**

**One\_submit\_btn.grid(row=2,column= 0)**

**tv = ttk.Treeview(frame\_all, columns=(1, 2, 3, 4, 5, 6, 7, 8), show="headings", height="15")**

**tv.grid(pady=20)**

**tv.heading(1, text="bookID")**

**tv.column(1, width=130)**

**tv.heading(2, text="book\_name")**

**tv.column(2, width=130)**

**tv.heading(3, text="author\_name")**

**tv.column(3, width=130)**

**tv.heading(4, text="purcahse\_date")**

**tv.column(4, width=130)**

**tv.heading(5, text="publisher\_name")**

**tv.column(5, width=130)**

**tv.heading(6, text="bookMRP")**

**tv.column(6, width=130)**

**tv.heading(7, text="state")**

**tv.column(7, width=130)**

**tv.heading(8, text="Rackno")**

**tv.column(8, width=100)**

**def submit\_one\_rec():**

**try:**

**global d\_name**

**global database\_name\_entry**

**global d\_name**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=ACTIVE, command=show\_one)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ",**

**"No such database found.please check spelling or make one from 'create Lib Button'")**

**def show\_one\_rec():**

**global database\_name\_entry**

**global database\_name**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("350x180")**

**database\_name\_entry.config(bg="#212121")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-", font=("Chiller", "20"),bg="#212121", fg="#28df99")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2,bg="#212121", fg="#99f3bd")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_one\_rec, bg="#212121", fg="#28df99")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def show\_all():**

**global d\_name**

**show\_all\_window = Toplevel(root)**

**show\_all\_window.geometry("1050x550")**

**# show\_all\_window.resizable(False,False)**

**show\_all\_window.title("ALL RECORDS")**

**#show\_all\_window.config(bg="#212121")**

**frame\_all = Frame(show\_all\_window)**

**frame\_all.grid()**

**# scroll\_frame= LabelFrame(frame\_all)**

**# scroll\_frame.grid(column=10,sticky="ns")**

**Label(show\_all\_window, text="All Records ", font=("Chiller", "30")).grid(sticky=N, row=0, column=0)**

**tv = ttk.Treeview(frame\_all,columns=(1,2,3,4,5,6,7,8),show="headings",height="15")**

**tv.grid(pady=80)**

**# #scrollbar**

**scrollbar\_view = ttk.Scrollbar(frame\_all,orient="vertical",command=tv.yview)**

**tv.configure(yscroll=scrollbar\_view.set)**

**scrollbar\_view.grid(row=0,column=9,sticky="ns")**

**tv.heading(1,text="bookID")**

**tv.column(1,width=130)**

**tv.heading(2,text="book\_name")**

**tv.column(2, width=130)**

**tv.heading(3,text="author\_name")**

**tv.column(3, width=130)**

**tv.heading(4,text="purcahse\_date")**

**tv.column(4, width=130)**

**tv.heading(5,text="publisher\_name")**

**tv.column(5, width=130)**

**tv.heading(6,text="bookMRP")**

**tv.column(6, width=130)**

**tv.heading(7,text="state")**

**tv.column(7, width=130)**

**tv.heading(8,text="Rackno")**

**tv.column(8, width=100)**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=d\_name)**

**cursor = mydb.cursor()**

**cursor.execute("select \* from library\_system")**

**result= cursor.fetchall()**

**for i in result:**

**tv.insert("",'end',values=i)**

**def submit\_show\_all():**

**try:**

**global d\_name**

**global database\_name\_entry**

**global d\_name**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("","Database connected succesfully")**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=ACTIVE,command=show\_all)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create Lib Button'")**

**def show\_all\_submit():**

**global database\_name\_entry**

**global database\_name**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("350x180")**

**database\_name\_entry.config(bg="#212121")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-", font=("Chiller","20"), bg="#212121", fg="#28df99")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2, bg="#212121", fg="#00ffff")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_show\_all, bg="#212121", fg="#28df99")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def save\_record():**

**global bookID1**

**global bookname**

**global authorname**

**global purdate**

**global publishername**

**global bookMRP**

**global state**

**global rackno**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**d\_name = database\_name.get()**

**bookID1 = bookID\_entry.get()**

**bookname = bookname\_entry.get()**

**authorname = authorname\_entry.get()**

**purdate = purdate\_entry.get()**

**publishername = Bookborrow\_entry.get()**

**bookMRP = bookMRP\_entry.get()**

**state = state\_entry.get()**

**rackno = rackno\_entry.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**add= "update library\_system set book\_name=%s,author\_name=%s,purchase\_date=%s,publisher\_name=%s,book\_MRP=%s,state=%s,rack\_no=%s where bookID =%s"**

**data = (bookname, authorname, purdate, publishername, bookMRP, state, rackno,bookID1)**

**cursor.execute(add,data )**

**mydb.commit()**

**messagebox.showinfo("UPDATED","ROW UPDATED SUCCESSFULLY")**

**bookID\_entry.delete(0, END)**

**bookname\_entry.delete(0, END)**

**authorname\_entry.delete(0, END)**

**purdate\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**bookMRP\_entry.delete(0, END)**

**state\_entry.delete(0, END)**

**rackno\_entry.delete(0, END)**

**save = Button(frame\_Dbase, text="SAVE RECORD", borderwidth=2, padx=14, bg="#212121", fg="#28df99",state=DISABLED)**

**save.grid(pady=10, sticky=NSEW, row=8, column=1)**

**def done\_record():**

**global frame\_Dbase**

**global delete\_record\_window**

**global database\_name**

**global d\_name**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**global bookID1**

**global bookname**

**global authorname**

**global purdate**

**global publishername**

**global bookMRP**

**global state**

**global rackno**

**bookID1 = bookID\_entry.get()**

**d\_name = database\_name.get()**

**bookname = bookname\_entry.get()**

**authorname = authorname\_entry.get()**

**purdate = purdate\_entry.get()**

**publishername = Bookborrow\_entry.get()**

**bookMRP = bookMRP\_entry.get()**

**state = state\_entry.get()**

**rackno = rackno\_entry.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**a = cursor.execute("select \* from library\_system where bookID= %s" % bookID1)**

**result = cursor.fetchall()**

**for result in result:**

**# bookID\_entry.insert(0,result[0])**

**bookname\_entry.insert(0, result[1])**

**authorname\_entry.insert(0, result[2])**

**purdate\_entry.insert(0, result[3])**

**Bookborrow\_entry.insert(0, result[4])**

**bookMRP\_entry.insert(0, result[5])**

**state\_entry.insert(0, result[6])**

**rackno\_entry.insert(0, result[7])**

**save = Button(frame\_Dbase, text="SAVE RECORD", borderwidth=2, padx=14, bg="#212121", fg="#28df99", command=save\_record,state=ACTIVE)**

**save.grid(pady=10, sticky=NSEW, row=8, column=1)**

**def submit\_update():**

**global database\_name\_entry**

**global database\_name**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("350x180")**

**database\_name\_entry.config(background="#212121")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-",font=("Chiller","20"),bg = "#212121",fg="#b9bbdf")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2,bg = "#212121",fg="#ff6f3c")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=sub\_update,bg = "#212121",fg="#ff6f3c")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(database\_name\_entry, text="Next",bg = "#212121",fg="#ff6f3c", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def update\_record\_window():**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**global frame\_Dbase**

**global update\_record\_window**

**update\_record\_window = Toplevel(root)**

**update\_record\_window.geometry("600x450")**

**update\_record\_window.title("UPDATE RECORD")**

**update\_record\_window.config(background="#212121")**

**Label(update\_record\_window,text="Only enter BookID and rest fields program will fill on its own ",font=("lucida grande", "12"), bg="#212121", fg="#d7385e").grid()**

**Label(update\_record\_window, text="Only One record at a time. To update again click on 'back' and open this window again ",font=("lucida grande", "12"), bg="#212121", fg="#d7385e").grid()**

**frame\_Dbase = LabelFrame(update\_record\_window,text="", borderwidth=5, height=5, bg="#212121")**

**frame\_Dbase.grid(padx=80, pady=20)**

**# Label(update\_record\_window, text="", font=("lucida grande", "15")).grid()**

**bookID\_label = Label(frame\_Dbase, text="BookID :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookname\_label = Label(frame\_Dbase, text="Bookname :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**authorname\_label = Label(frame\_Dbase, text="Author name :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**purdate\_label = Label(frame\_Dbase, text="purchase date :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**publishername\_label = Label(frame\_Dbase, text="Publisher name:-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookMRP\_label = Label(frame\_Dbase, text="Book MRP :-", font=("lucida grande", "15"), anchor=W, bg="#212121", fg="#a7ff83")**

**state\_label = Label(frame\_Dbase, text="State(issued/available):-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**rackno\_label = Label(frame\_Dbase, text="Rackno :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookID\_label.grid(sticky=W, pady=4)**

**bookname\_label.grid(sticky=W, pady=4)**

**authorname\_label.grid(sticky=W, pady=4)**

**purdate\_label.grid(sticky=W, pady=4)**

**publishername\_label.grid(sticky=W, pady=4)**

**bookMRP\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**rackno\_label.grid(sticky=W, pady=4)**

**bookID\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**authorname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**purdate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookMRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**rackno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**# purdate\_entry.insert(0, "YYYY-MM-DD")**

**bookID\_entry.grid(row=0, column=1, padx=10, pady=4)**

**bookname\_entry.grid(row=1, column=1, padx=10, pady=4)**

**authorname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**purdate\_entry.grid(row=3, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=4, column=1, padx=10, pady=4)**

**bookMRP\_entry.grid(row=5, column=1, padx=10, pady=4)**

**state\_entry.grid(row=6, column=1, padx=10, pady=4)**

**rackno\_entry.grid(row=7, column=1, padx=10, pady=4)**

**done= Button(frame\_Dbase, text="Done", borderwidth=2, padx=14, bg="#212121", fg="#28df99",command =done\_record)**

**done.grid(pady=10, sticky=NSEW, row=8, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#212121",fg="#28df99",command=back\_update)**

**back\_btn.grid(pady=10, row=8, column=0)**

**def back\_update():**

**global update\_record\_window**

**update\_record\_window.withdraw()**

**def delete\_rec():**

**global delete\_record\_window**

**global database\_name**

**global d\_name**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**bookname\_entry.delete(0, END)**

**authorname\_entry.delete(0, END)**

**purdate\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**bookMRP\_entry.delete(0, END)**

**state\_entry.delete(0, END)**

**rackno\_entry.delete(0, END)**

**global bookID1**

**global bookname**

**global bookname**

**global purdate**

**global publishername**

**global bookMRP**

**global state**

**global rackno**

**bookID1 = bookID\_entry.get()**

**bookname = bookname\_entry.get()**

**bookname = authorname\_entry.get()**

**purdate = purdate\_entry.get()**

**publishername = Bookborrow\_entry.get()**

**bookMRP = bookMRP\_entry.get()**

**state = state\_entry.get()**

**rackno = rackno\_entry.get()**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root",database= str(d\_name))**

**cursor = mydb.cursor()**

**a = cursor.execute("select \* from library\_system where bookID= %s"%bookID1)**

**result = cursor.fetchall()**

**for result in result:**

**# bookID\_entry.insert(0,result[0])**

**bookname\_entry.insert(0,result[1])**

**authorname\_entry.insert(0,result[2])**

**purdate\_entry.insert(0,result[3])**

**Bookborrow\_entry.insert(0, result[4])**

**bookMRP\_entry.insert(0,result[5])**

**state\_entry.insert(0,result[6])**

**rackno\_entry.insert(0,result[7])**

**a = messagebox.askquestion("choice","Do you want to Delete the entered information")**

**if a== "yes":**

**cursor.execute("delete from library\_system where bookID = %s" % bookID1)**

**mydb.commit()**

**messagebox.showinfo("DELETED","DATA DELETED SUCCESSFULLY")**

**bookID\_entry.delete(0, END)**

**bookname\_entry.delete(0, END)**

**authorname\_entry.delete(0, END)**

**purdate\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**bookMRP\_entry.delete(0, END)**

**state\_entry.delete(0, END)**

**rackno\_entry.delete(0, END)**

**def delete\_rec\_form():**

**# messagebox.showinfo("Successfull","Database Found")**

**global delete\_record\_window**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**delete\_record\_window = Toplevel(root)**

**delete\_record\_window.geometry("600x450")**

**delete\_record\_window.title("DELETE RECORD")**

**delete\_record\_window.config(background="#212121")**

**frame\_Dbase = LabelFrame(delete\_record\_window, borderwidth=5, height=5, bg="#212121")**

**frame\_Dbase.grid(padx=80, pady=20)**

**bookID\_label = Label(frame\_Dbase, text="BookID :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookname\_label = Label(frame\_Dbase, text="Bookname :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**authorname\_label = Label(frame\_Dbase, text="Author name :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**purdate\_label = Label(frame\_Dbase, text="purchase date :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**publishername\_label = Label(frame\_Dbase, text="Publisher name:-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookMRP\_label = Label(frame\_Dbase, text="Book MRP :-", font=("lucida grande", "15"), anchor=W, bg="#212121", fg="#a7ff83")**

**state\_label = Label(frame\_Dbase, text="State(issued/available):-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**rackno\_label = Label(frame\_Dbase, text="Rackno :-", font=("lucida grande", "15"), bg="#212121", fg="#a7ff83")**

**bookID\_label.grid(sticky=W, pady=4)**

**bookname\_label.grid(sticky=W, pady=4)**

**authorname\_label.grid(sticky=W, pady=4)**

**purdate\_label.grid(sticky=W, pady=4)**

**publishername\_label.grid(sticky=W, pady=4)**

**bookMRP\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**rackno\_label.grid(sticky=W, pady=4)**

**bookID\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**authorname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**purdate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookMRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**rackno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**# purdate\_entry.insert(0, "YYYY-MM-DD")**

**bookID\_entry.grid(row=0, column=1, padx=10, pady=4)**

**bookname\_entry.grid(row=1, column=1, padx=10, pady=4)**

**authorname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**purdate\_entry.grid(row=3, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=4, column=1, padx=10, pady=4)**

**bookMRP\_entry.grid(row=5, column=1, padx=10, pady=4)**

**state\_entry.grid(row=6, column=1, padx=10, pady=4)**

**rackno\_entry.grid(row=7, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="DONE", borderwidth=2, padx=14, bg="#212121", fg="#28df99", command=delete\_rec)**

**done.grid(pady=10, sticky=NSEW, row=8, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#212121", fg="#28df99", command=back\_delete)**

**back\_btn.grid(pady=10, row=8, column=0)**

**def submit\_delete():**

**global database\_name\_entry**

**global database\_name**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("350x180")**

**database\_name\_entry.config(background="#212121")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-",font=("Chiller","20"),bg = "#212121",fg="#b9bbdf")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2,bg = "#212121",fg="#ff6f3c")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=sub\_delete,bg = "#212121",fg="#ff6f3c")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(database\_name\_entry, text="Next",bg = "#212121",fg="#ff6f3c", state=DISABLED)**

**next\_add\_button.grid(row=2, column=1)**

**def add\_next():**

**global add\_window**

**global database\_name\_entry**

**global d\_name**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**database\_name\_entry.withdraw()**

**d\_name = database\_name.get()**

**add\_window = Toplevel(root)**

**add\_window.geometry("600x450")**

**add\_window.config(background="#212121")**

**Label(add\_window, text="Make sure to enter BookID unique every time.Otherwise it will give an Error!!",font=("lucida grande", "12"), bg="#212121", fg="#d7385e").grid(row=0)**

**frame\_Dbase = LabelFrame(add\_window, borderwidth=5, height=5, bg="#212121")**

**frame\_Dbase.grid(padx=80, pady=20)**

**bookID\_label = Label(frame\_Dbase, text="BookID :-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**bookname\_label = Label(frame\_Dbase, text="Bookname :-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**authorname\_label = Label(frame\_Dbase, text="Author name :-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**purdate\_label = Label(frame\_Dbase, text="purchase date :-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**publishername\_label = Label(frame\_Dbase, text="Publisher name:-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**bookMRP\_label = Label(frame\_Dbase, text="Book MRP :-", font=("lucida grande", "15"), anchor=W, bg="#212121", fg="#ffe05d")**

**state\_label = Label(frame\_Dbase, text="State(issued/available):-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**rackno\_label = Label(frame\_Dbase, text="Rackno :-", font=("lucida grande", "15"), bg="#212121", fg="#ffe05d")**

**bookID\_label.grid(sticky=W, pady=4)**

**bookname\_label.grid(sticky=W, pady=4)**

**authorname\_label.grid(sticky=W, pady=4)**

**purdate\_label.grid(sticky=W, pady=4)**

**publishername\_label.grid(sticky=W, pady=4)**

**bookMRP\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**rackno\_label.grid(sticky=W, pady=4)**

**bookID\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**authorname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**purdate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**bookMRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**rackno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2, bg="#d9e4dd", fg="#1a1a2e")**

**purdate\_entry.insert(0, "YYYY-MM-DD")**

**bookID\_entry.grid(row=0, column=1, padx=10, pady=4)**

**bookname\_entry.grid(row=1, column=1, padx=10, pady=4)**

**authorname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**purdate\_entry.grid(row=3, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=4, column=1, padx=10, pady=4)**

**bookMRP\_entry.grid(row=5, column=1, padx=10, pady=4)**

**state\_entry.grid(row=6, column=1, padx=10, pady=4)**

**rackno\_entry.grid(row=7, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="DONE", borderwidth=2, padx=14, bg="#212121", fg="#28df99", command=Done\_Dframe)**

**done.grid(pady=10, sticky=NSEW, row=8, column=1)**

**back\_btn = Button(frame\_Dbase, text="Back", borderwidth=2, padx=14, bg="#212121", fg="#28df99", command=back\_add)**

**back\_btn.grid(pady=10, row=8, column=0)**

**def sub\_update():**

**try:**

**global d\_name**

**global database\_name\_entry**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("", "Database connected succesfully")**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=ACTIVE,**

**command=update\_record\_window)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ",**

**"No such database found.please check spelling or make one from 'create Lib Button'")**

**def sub\_delete():**

**try:**

**global d\_name**

**global database\_name\_entry**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("","Database connected succesfully")**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=ACTIVE,command=delete\_rec\_form)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create Lib Button'")**

**def submit\_add():**

**try:**

**global d\_name**

**global database\_name\_entry**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root")**

**cursor = mydb.cursor()**

**cursor.execute("use %s" % d\_name)**

**messagebox.showinfo("","Database connected succesfully")**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121", fg="#28df99", state=ACTIVE,command = add\_next)**

**next\_add\_button.grid(row=2, column=1)**

**except:**

**messagebox.showerror("Database ERROR 1049 ","No such database found.please check spelling or make one from 'create Lib Button'")**

**def back\_delete():**

**global delete\_record\_window**

**delete\_record\_window.withdraw()**

**def back\_add():**

**global add\_window**

**add\_window.withdraw()**

**def database\_add():**

**global add\_window**

**global d\_name**

**global database\_name**

**global database\_name\_entry**

**a = messagebox.askquestion("Add","""In next window enter your database name in which you have created your Library table.**

**Do you have Lib table.if you want to create new database you can do it by going on 'create Lib table' button""")**

**if a == "yes":**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("350x180")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-",font=("Chiller","20"),bg = "#212121",fg="#b9bbdf")**

**database\_name\_entry.config(background="#212121")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=20, borderwidth=2,bg = "#212121",fg="#ff6f3c")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_add, bg="#212121",fg="#ff6f3c")**

**submit\_button.grid(pady=5)**

**next\_add\_button = Button(database\_name\_entry, text="Next", bg="#212121",fg="#ff6f3c",state = DISABLED)**

**next\_add\_button.grid(row = 2, column =1)**

**def submit\_dname():**

**global database\_name**

**global d\_name**

**global database\_name\_entry**

**d\_name = database\_name.get()**

**mydb = db.connect(host= "localhost", password="root",user="root")**

**cursor= mydb.cursor()**

**cursor.execute("CREATE DATABASE IF NOT EXISTS %s" %d\_name)**

**mydb.commit()**

**messagebox.showinfo("","Database created Successfully.")**

**database\_name\_entry.destroy()**

**def back():**

**global database\_name\_entry**

**database\_name\_entry.withdraw()**

**def Done\_Dframe():**

**global bookID1**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**global d\_name**

**bookID1 = bookID\_entry.get()**

**bookname = bookname\_entry.get()**

**authorname = authorname\_entry.get()**

**purdate = purdate\_entry.get()**

**publishername = Bookborrow\_entry.get()**

**bookMRP = bookMRP\_entry.get()**

**state = state\_entry.get()**

**rackno = rackno\_entry.get()**

**try:**

**d\_name = database\_name.get()**

**mydb = db.connect(host= "localhost",user="root",password="root",database=str(d\_name))**

**cursor = mydb.cursor()**

**add = cursor.execute("insert into library\_system values({},'{}','{}','{}','{}',{},'{}',{})".format(bookID1, bookname, authorname, purdate, publishername, bookMRP, state, rackno))**

**# data = (bookID, bookname, authorname, purdate, publishername, bookMRP, state, rackno)**

**cursor.execute(add)**

**messagebox.showinfo("","data inserted!!!")**

**mydb.commit()**

**bookID\_entry.delete(0, END)**

**bookname\_entry.delete(0, END)**

**authorname\_entry.delete(0, END)**

**purdate\_entry.delete(0, END)**

**Bookborrow\_entry.delete(0, END)**

**bookMRP\_entry.delete(0, END)**

**state\_entry.delete(0, END)**

**rackno\_entry.delete(0, END)**

**except:**

**messagebox.showerror("","""Error in some Entry feild.......Data not inserted.Try again!!!!.**

**Note: please make sure you have enter values according to correct datatype of respective fields or you have left entry field blank""")**

**def submit():**

**global d\_name**

**global database\_name**

**global database\_name\_entry**

**global bookID\_entry**

**global bookname\_entry**

**global authorname\_entry**

**global purdate\_entry**

**global Bookborrow\_entry**

**global bookMRP\_entry**

**global state\_entry**

**global rackno\_entry**

**try:**

**d\_name = database\_name.get()**

**mydb = db.connect(host="localhost", user="root", password="root", database=str(d\_name))**

**cursor = mydb.cursor()**

**cursor.execute("""CREATE TABLE library\_system(bookID varchar(15) primary key not null,**

**book\_name varchar(30),**

**Author\_name char(20) not null ,**

**Purchase\_date DATE ,**

**Publisher\_name varchar(30),**

**book\_MRP decimal ,**

**state char(10),**

**Rack\_no int(4))""")**

**messagebox.showinfo("", "Table created sucessfully")**

**mydb.commit()**

**except:**

**messagebox.showerror("Unknown!!!!","Unknown database or Table with name library\_system already exist in this database")**

**database\_name\_entry.withdraw()**

**frame\_Dbase = LabelFrame(database\_name\_entry, borderwidth=5, height=5, bg="#212121")**

**frame\_Dbase.grid(padx=80, pady=10)**

**bookID\_label = Label(frame\_Dbase, text="BookID :-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**bookname\_label = Label(frame\_Dbase, text="Bookname :-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**authorname\_label = Label(frame\_Dbase, text="Author name :-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**purdate\_label = Label(frame\_Dbase, text="purchase date :-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**publishername\_label = Label(frame\_Dbase, text="Publisher name:-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**bookMRP\_label = Label(frame\_Dbase, text="Book MRP :-", font=("lucida grande", "15"), anchor=W,bg="#212121", fg="#a7ff83")**

**state\_label = Label(frame\_Dbase, text="State(issued/available):-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**rackno\_label = Label(frame\_Dbase, text="Rackno :-", font=("lucida grande", "15"),bg="#212121", fg="#a7ff83")**

**bookID\_label.grid(sticky=W, pady=4)**

**bookname\_label.grid(sticky=W, pady=4)**

**authorname\_label.grid(sticky=W, pady=4)**

**purdate\_label.grid(sticky=W, pady=4)**

**publishername\_label.grid(sticky=W, pady=4)**

**bookMRP\_label.grid(sticky=W, pady=4)**

**state\_label.grid(sticky=W, pady=4)**

**rackno\_label.grid(sticky=W, pady=4)**

**bookID\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**bookname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**authorname\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**purdate\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**Bookborrow\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**bookMRP\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**state\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**rackno\_entry = Entry(frame\_Dbase, width=25, borderwidth=2)**

**purdate\_entry.insert(0,"YYYY-MM-DD")**

**bookID\_entry.grid(row=0, column=1, padx=10, pady=4)**

**bookname\_entry.grid(row=1, column=1, padx=10, pady=4)**

**authorname\_entry.grid(row=2, column=1, padx=10, pady=4)**

**purdate\_entry.grid(row=3, column=1, padx=10, pady=4)**

**Bookborrow\_entry.grid(row=4, column=1, padx=10, pady=4)**

**bookMRP\_entry.grid(row=5, column=1, padx=10, pady=4)**

**state\_entry.grid(row=6, column=1, padx=10, pady=4)**

**rackno\_entry.grid(row=7, column=1, padx=10, pady=4)**

**done = Button(frame\_Dbase, text="DONE", borderwidth=2, padx=14,bg="#212121", fg="#28df99",command=Done\_Dframe)**

**done.grid(pady=10, sticky=NSEW, row=8, column=1)**

**back\_btn = Button(frame\_Dbase,text="Back", borderwidth=2, padx=14,bg="#212121", fg="#28df99",command = back)**

**back\_btn.grid(pady=10, row=8, column=0)**

**# function for creating table**

**def create\_table():**

**global d\_name**

**global database\_name**

**global database\_name\_entry**

**a = messagebox.askquestion("DataBase","Do you have any database in which you want to create Library table?")**

**if a == "yes":**

**database\_name\_entry =Toplevel(root)**

**database\_name\_entry.geometry("600x450")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-",font=("Chiller", "20"),bg="#212121", fg="#00e0ff")**

**database\_name\_entry.config(background="#212121")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry,width= 25,borderwidth = 2.5, bg="#212121", fg="#00e0ff")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry,text="Submit",command=submit,bg= "#212121", fg="#00e0ff")**

**submit\_button.grid(pady=5)**

**else :**

**b = messagebox.askquestion("Choice","Would you like to create one" )**

**if b =="yes":**

**database\_name\_entry = Toplevel(root)**

**database\_name\_entry.geometry("600x450")**

**database\_label = Label(database\_name\_entry, text="Enter Database name :-" ,font=("Chiller", "20"),fg="#00e0ff" , bg="#212121")**

**database\_name\_entry.config(background="#212121")**

**database\_label.grid()**

**database\_name = Entry(database\_name\_entry, width=25, borderwidth=2.5, bg="#212121", fg="#00e0ff")**

**database\_name.grid()**

**submit\_button = Button(database\_name\_entry, text="Submit", command=submit\_dname, bg="#212121", fg="#00e0ff")**

**submit\_button.grid(pady=5)**

**# d\_name =database\_name.get()**

**# mydb = db.connect(host= "loclahost",user= "root",password="1234")**

**# cursor= mydb.cursor()**

**# cursor.execute("")**

**def choice\_before\_datas():**

**global choice\_window**

**choice\_window = Tk()**

**choice\_window.geometry("550x400")**

**choice\_window.title("Choose Here!!")**

**choice\_window.resizable(False, False)**

**choice\_window.config(background = "#212121")**

**name = Label(choice\_window, text="LIBRARY MANAGEMENT SYSTEM", font=("Chiller", "32"), anchor="center", bg="#212121", fg="#ffc7c7")**

**name.grid(row=0, column=0)**

**# second heading**

**s\_name = Label(choice\_window, text="KENDRIYA VIDYALAYA NO.2 ARMY BHUJ", font=("Chiller", "23"), anchor="center", bg="#212121", fg="#32e0c4")**

**s\_name.grid()**

**frame = LabelFrame(choice\_window, padx=50, pady=50, bg="#212121")**

**frame.grid()**

**lib\_btn = Button(frame, text="Library Window",command=database\_start, bg="#212121", fg="#fafcc2")**

**lib\_btn.grid(row=0, column=1, pady=10, padx=15)**

**stu\_btn = Button(frame, text="Student Window",command=window\_for\_stu\_system, bg="#212121", fg="#fafcc2")**

**stu\_btn.grid(row=0, column=2, pady=10, padx=15)**

**choice\_window.mainloop()**

**def database\_start():**

**global root**

**root = Tk()**

**root.geometry("550x400")**

**root.title("LIBRARY WINDOW")**

**root.config(background="#212121")**

**# first heading**

**name = Label(root, text="LIBRARY MANAGEMENT SYSTEM", font=("Chiller", "32"), anchor="center", bg="#212121", fg="#ffc7c7")**

**name.grid(row=0, column=0)**

**# second heading**

**s\_name = Label(root, text="KENDRIYA VIDYALAYA NO.2 ARMY BHUJ", font=("Chiller", "23"), anchor="center", bg="#212121", fg="#32e0c4")**

**s\_name.grid()**

**frame = LabelFrame(root, padx=50, pady=50, bg="#212121")**

**frame.grid(row=3, column=0)**

**add\_record = Button(frame, text="Add record", padx=20, pady=2,command = database\_add, bg="#212121", fg="#ff4b5c")**

**delete\_record = Button(frame, text="Delete record", padx=20, pady=2,command=submit\_delete, bg="#212121", fg="#ff4b5c")**

**update\_record = Button(frame, text="Update record", padx=11, pady=2,command= submit\_update, bg="#212121", fg="#ff4b5c")**

**showall\_record = Button(frame, text="Show All record", padx=11, pady=2,command=show\_all\_submit, bg="#212121", fg="#ff4b5c")**

**showone\_record = Button(frame, text="Show One record", padx=7, pady=2,command=show\_one\_rec, bg="#212121", fg="#ff4b5c")**

**Lib\_table = Button(frame, text="Create Library table", padx=11, pady=2, command=create\_table, bg="#212121", fg="#ff4b5c")**

**add\_record.grid(row=0, column=0, padx=30, pady=9)**

**delete\_record.grid(row=0, column=1, padx=15, pady=9)**

**update\_record.grid(row=1, column=0, pady=9, padx=30)**

**showall\_record.grid(row=1, column=1, padx=15, pady=9)**

**showone\_record.grid(row=2, column=0, pady=9)**

**Lib\_table.grid(row=2, column=1, padx=30)**

**root.mainloop()**

**def login\_info():**

**global login\_screen**

**global root**

**global user\_entry**

**global password\_entry**

**global main**

**global login\_screen**

**username1 = user\_entry.get()**

**password1 = password\_entry.get()**

**user\_entry.delete(0,END)**

**password\_entry.delete(0,END)**

**list\_of\_files = os.listdir()**

**if username1+".txt" in list\_of\_files:**

**file = open(username1+".txt", "r")**

**verify1 = file.readline()**

**verify2 = file.readline()**

**if password1 == verify2:**

**messagebox.showinfo("Done", "Login Successfull")**

**main.withdraw()**

**login\_screen.withdraw()**

**choice\_before\_datas()**

**else :**

**messagebox.showerror("Error","Wrong Password!!!!")**

**login\_screen.destroy()**

**else:**

**messagebox.showerror("Not found", "USER NOT FOUND!!!!")**

**login\_screen.destroy()**

**def login():**

**global login\_screen**

**global username**

**global password**

**global user\_entry**

**global password\_entry**

**global main**

**# global user\_verify**

**# global password\_verify**

**login\_screen = Toplevel(main)**

**login\_screen.title("LOGIN")**

**login\_screen.geometry("300x400")**

**login\_screen.configure(background="#212121")**

**# user\_verify = StringVar**

**# password\_verify = StringVar**

**Label(login\_screen, text="Enter your Login info. below:-",font=("Chiller","19"), fg="#43d8c9", bg="#212121").grid()**

**Label(login\_screen, text=" ",bg = "#212121",).grid()**

**Label(login\_screen, text="Username-->", font=("lucida grande", "10"), bg="#212121", fg="#fdcb9e").grid()**

**user\_entry = Entry(login\_screen, borderwidth=2,bg = "#212121", fg="#fddb3a")**

**user\_entry.grid()**

**Label(login\_screen, text="Passcode-->", font=("lucida grande", "10"), bg="#212121", fg="#fdcb9e").grid()**

**password\_entry = Entry(login\_screen,borderwidth=2,bg = "#212121", fg="#fddb3a")**

**password\_entry.grid()**

**Label(login\_screen, text=" ",bg = "#212121").grid()**

**login = Button(login\_screen,text="Login",padx=10,command= login\_info, bg="#212121", fg="#d8345f")**

**login.grid()**

**def register\_info():**

**global register\_screen**

**global username**

**global password**

**global user\_entry**

**global password\_entry**

**user\_info = user\_entry.get()**

**password\_info = password\_entry.get()**

**file = open(user\_info+".txt","w")**

**file.write(user\_info+"\n")**

**file.write(password\_info)**

**user\_entry.delete(0,END)**

**password\_entry.delete(0, END)**

**messagebox.showinfo("Succesfull","Registry successful")**

**register\_screen.destroy()**

**def register():**

**global register\_screen**

**global username**

**global password**

**global user\_entry**

**global password\_entry**

**register\_screen = Toplevel(main)**

**register\_screen.title("REGISTER HERE")**

**register\_screen.geometry("300x400")**

**register\_screen.configure(background="#212121")**

**username = StringVar**

**password = StringVar**

**Label(register\_screen,text="Enter your details below :-",font=("Chiller","19"), bg="#212121", fg="#43d8c9").grid()**

**Label(register\_screen, text=" ",bg = "#212121",).grid()**

**Label(register\_screen, text="Username-->", font=("lucida grande","10"), bg="#212121", fg="#fdcb9e").grid()**

**user\_entry = Entry(register\_screen,textvariable = username,borderwidth = 2, bg="#212121", fg="#fddb3a")**

**user\_entry.grid()**

**Label(register\_screen, text="password-->", font=("lucida grande", "10"), bg="#212121", fg="#fdcb9e").grid()**

**password\_entry = Entry(register\_screen, textvariable=password,borderwidth = 2, bg="#212121", fg="#fddb3a")**

**password\_entry.grid()**

**Label(register\_screen, text=" ",bg = "#212121").grid()**

**register\_in = Button(register\_screen,text ="Register Info",command =register\_info, bg="#212121", fg="#d8345f")**

**register\_in.grid()**

**register\_screen.mainloop()**

**def quit\_main():**

**global main**

**main.destroy()**

**def main\_screen():**

**global main**

**main = Tk()**

**main.title("LIBRARY MANAGEMENT SYSTEM")**

**main.geometry("300x400")**

**main.configure(background="#212121")**

**heading\_main = Label(main, text= "LOGIN", font=("Chiller","40","bold"),anchor="center",bg= "#212121",padx=10, fg="#19d3da")**

**heading\_main.grid(row=0,column=0,padx= 65)**

**login\_button = Button(main, text="Login", padx=40, pady=3,command = login, fg="#f54291", bg="#212121")**

**login\_button.grid(pady = 25)**

**register\_button =Button(main,text= "Register",padx= 35, pady=3, command= register, fg="#f54291", bg="#212121")**

**register\_button.grid(pady = 15)**

**exit\_button = Button(main, text="Exit", padx=45, pady=3, command=quit\_main, fg="#f54291", bg="#212121")**

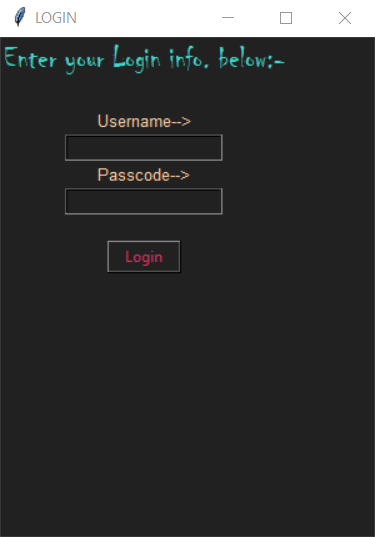
**exit\_button.grid(pady = 25)**

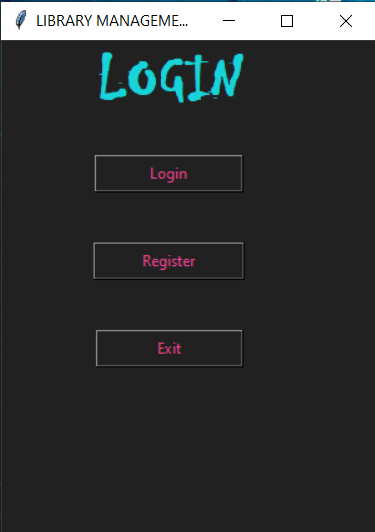
**main.mainloop()**

**main\_screen()**

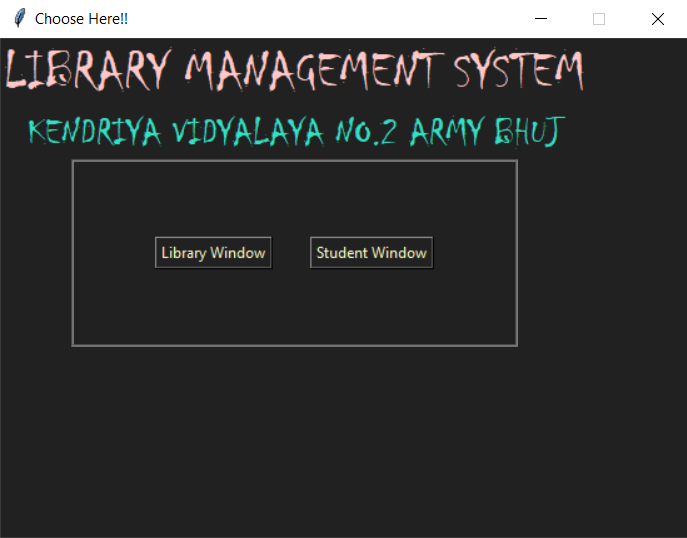
**OUTPUTS**

**Login screen**

****



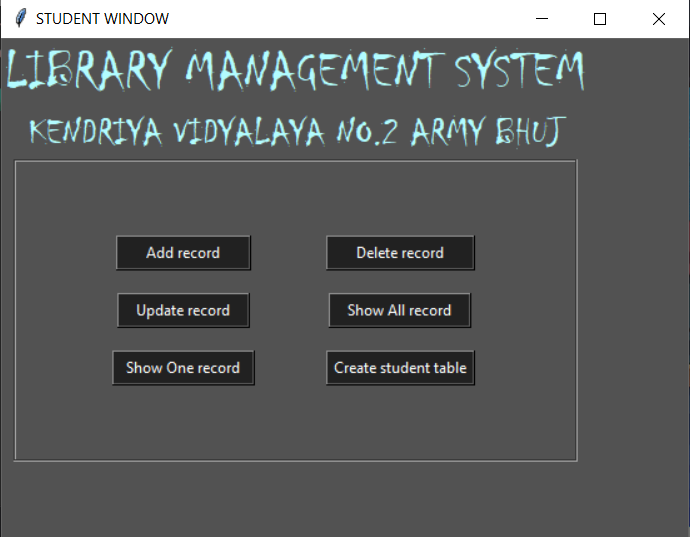
**Main Menu**



**Library**

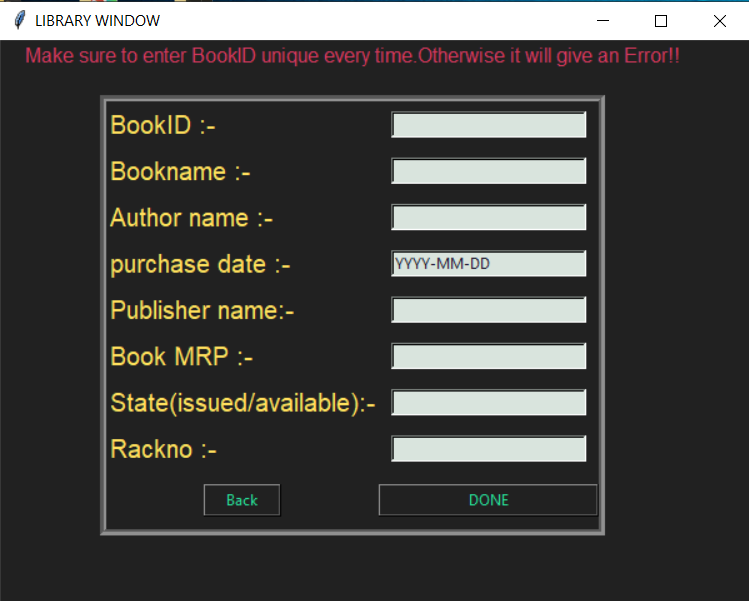


**Student**

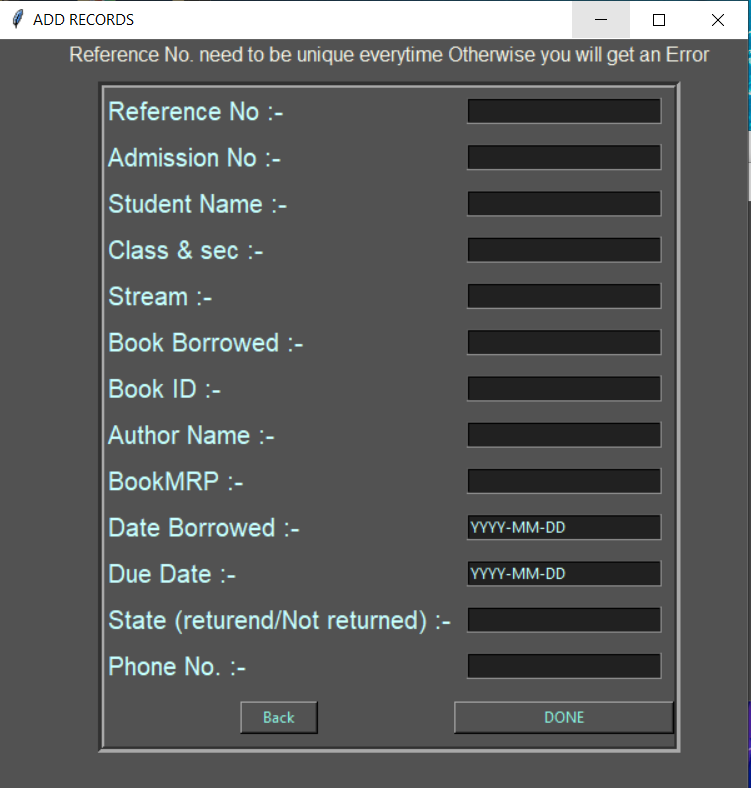


**Add Window**

**Library**

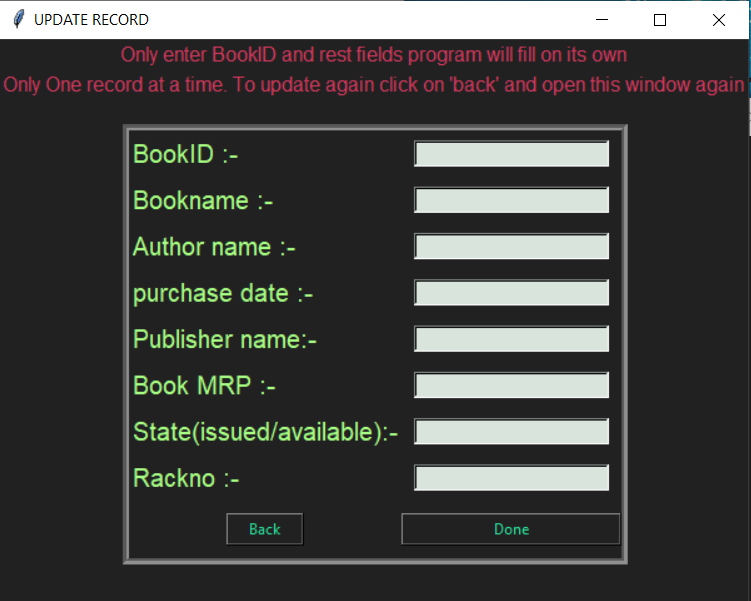


**Student**

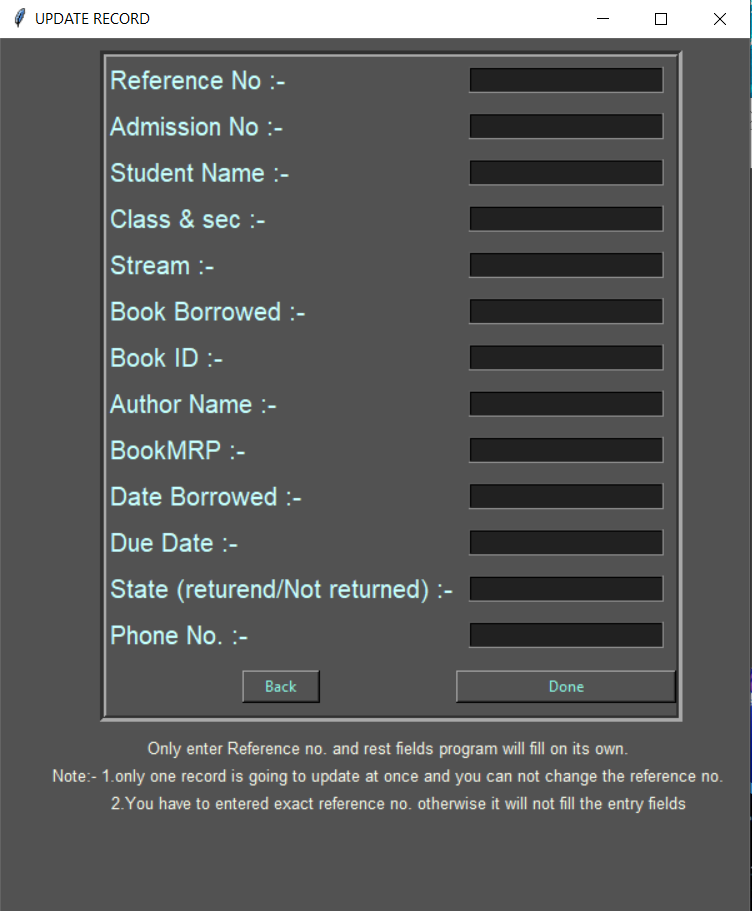


**Update Window**

**Library**



**Student**



**Show Details**

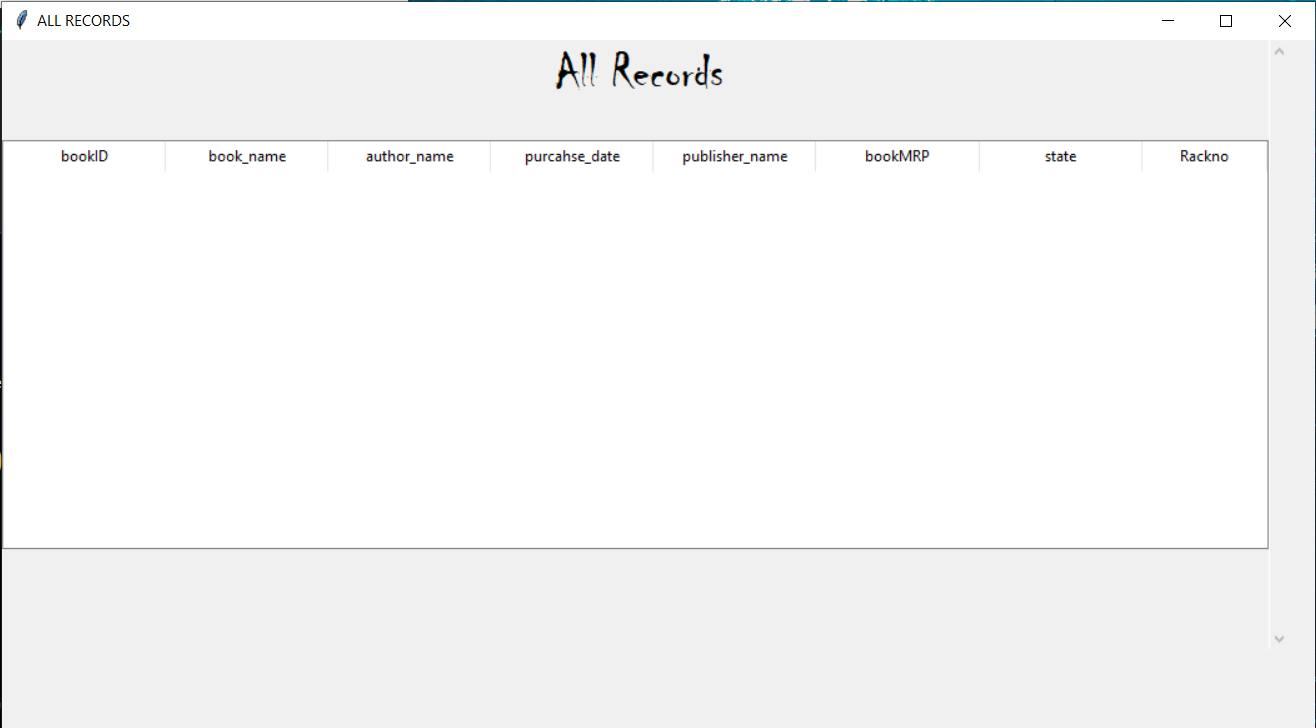
**Library**

**[One detail at a Time]**



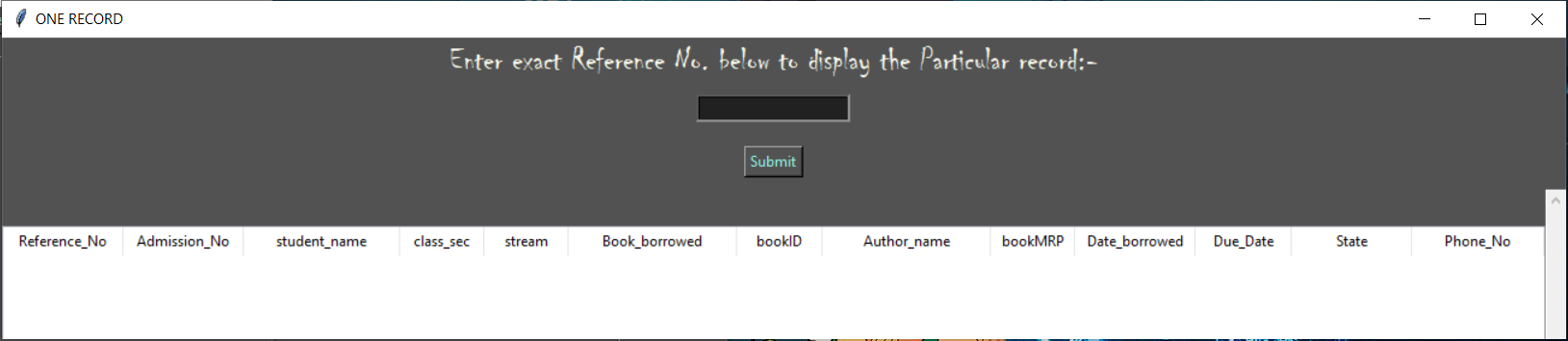
**Library**

**[All details at Once]**



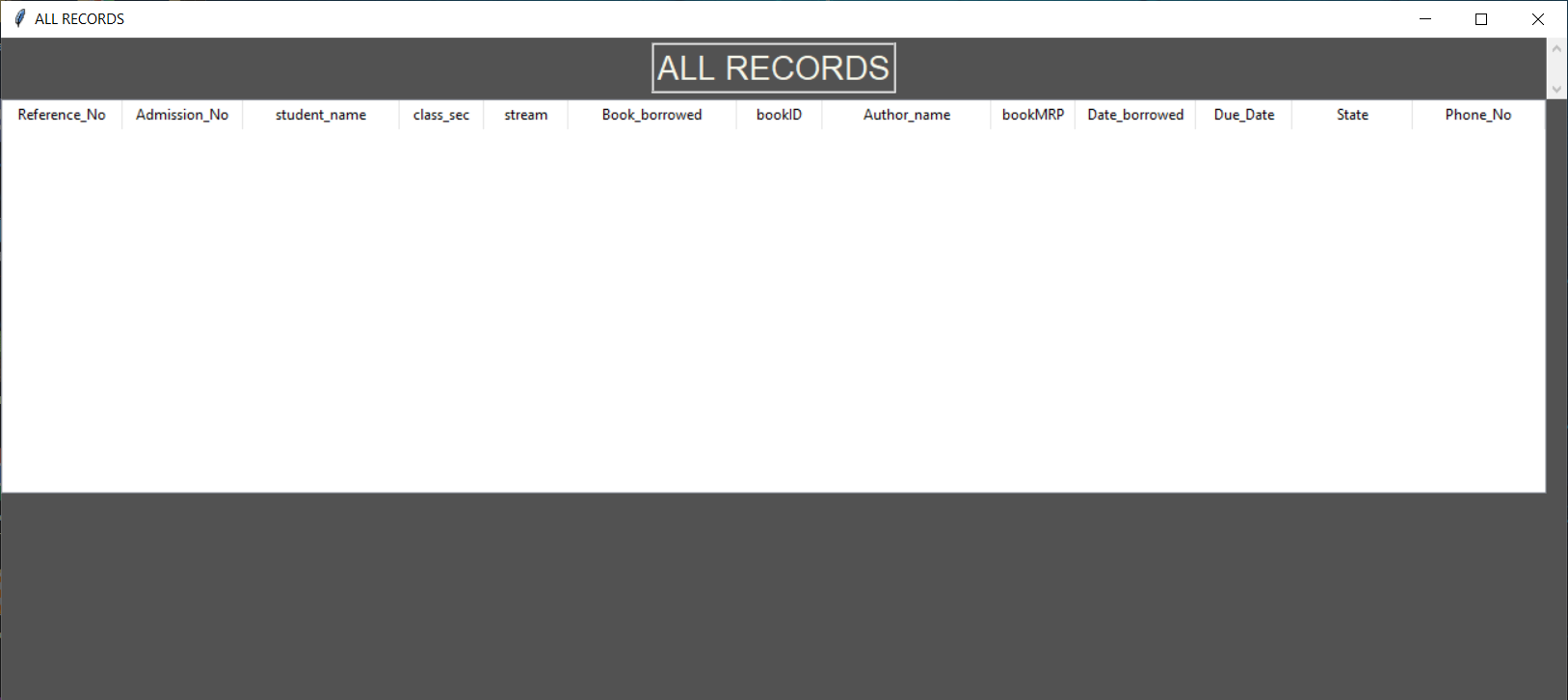
**Student**

**[One detail at a Time]**



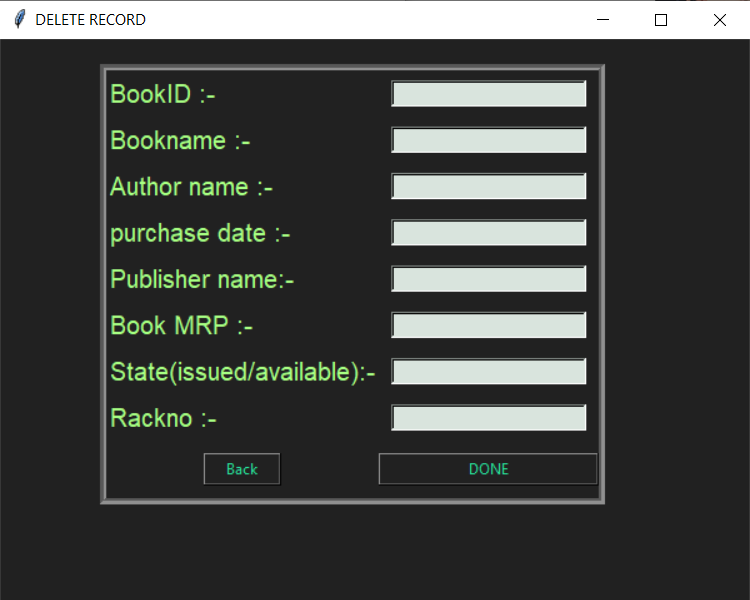
**Student**

**[All detail at Once]**

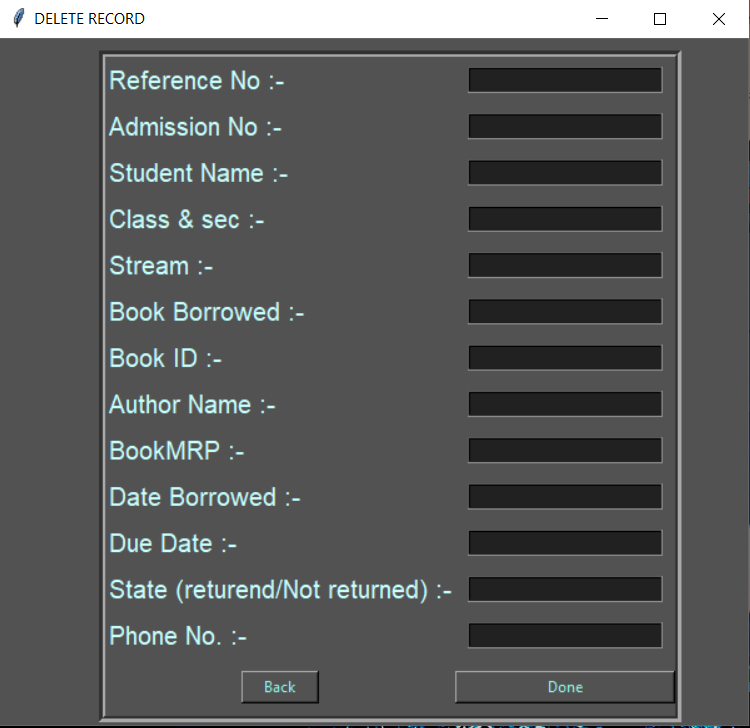


**Delete Details**

**Library**

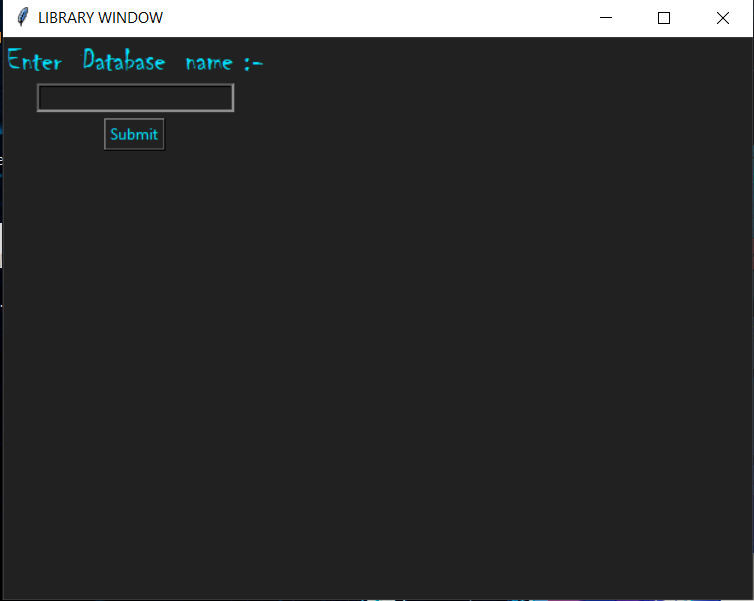
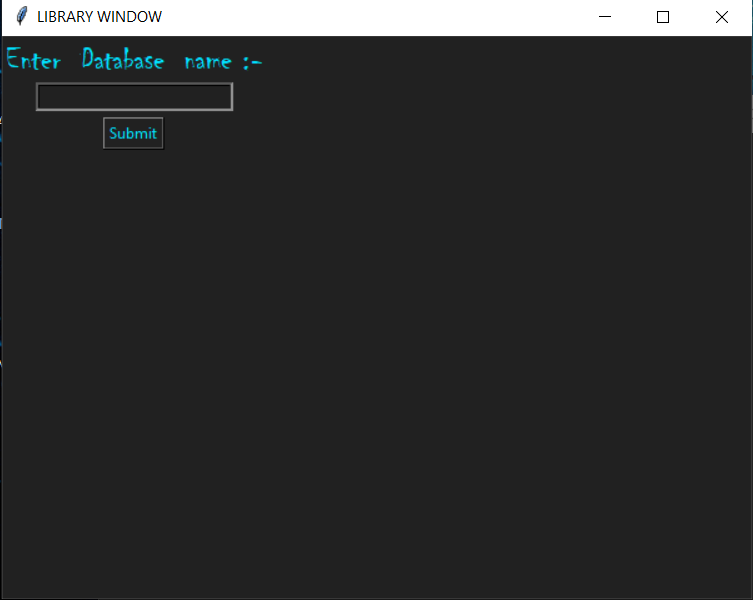


**Student**



**Create Database or Table**

**[Same for Library and Student Window]**



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