***Lab 9***

#1. Write a python script to show a root graphical window

from tkinter import \*

root=Tk()

root.mainloop()

#2. Write a python script to add hello world on the root window of GUI

from tkinter import \*

root=Tk()

Label(root,text="Hello world").pack()

root.mainloop()

#4. Write a python script to add a button on the root window, name the button as GO

from tkinter import \*

root=Tk()

Button(root,text="GO").pack()

root.mainloop()

#5. Write a python script to add event to the button added in previous problem and add string “Welcome....” to button event to the root window

from tkinter import \*

root=Tk()

def event():

Label(root,text="Welcome....").pack()

Button(root,text="GO",command=event).pack()

root.mainloop()

#6. Write a python script to add text box in GUI.

from tkinter import \*

root=Tk()

Entry(root).pack()

root.mainloop()

#7. Write a python script to read First Name and Last Name using text boxes, Wish the user with the first name “ ….name…. Welcome to Python”

from tkinter import \*

root=Tk()

first\_name=Entry(root)

first\_name.pack()

last\_name=Entry(root)

last\_name.pack()

def event():

Label(root,text="Welcome...."+first\_name.get()+" "+last\_name.get()).pack()

Button(root,text="GO",command=event).pack()

root.mainloop()

#8. Write a python script to read two numbers and print their Sum/ Diff/ Multiplication/ Div/ Remainder on screen, using button for each operation.

from tkinter import \*

root=Tk()

Label(root,text="Enter the First Number : ").pack()

num1=Entry(root)

num1.pack()

Label(root,text="Enter the Second Number : ").pack()

num2=Entry(root)

num2.pack()

####

def SUM():

print(int(num1.get())+int(num2.get()))

def DIFF():

print(int(num1.get())-int(num2.get()))

def MUL():

print(int(num1.get())\*int(num2.get()))

def DIV():

print(int(num1.get())/int(num2.get()))

def REM():

print(int(num1.get())%int(num2.get()))

####

Button(root,text="Sum",command=SUM).pack()

Button(root,text="Difference",command=DIFF).pack()

Button(root,text="Multiplication",command=MUL).pack()

Button(root,text="Division",command=DIV).pack()

Button(root,text="Remainder",command=REM).pack()

root.mainloop()

#9. Write a python script that creates a GUI with a single button. When the button is pressed it should create a second button. When that button is pressed, it should create a label that says, “Nice job!”. What happens if you press the buttons more than once?

from tkinter import \*

root=Tk()

def event():

Label(root,text="Nice job!").pack()

def new\_button():

Button(root,text="Press2",command=event).pack()

Button(root,text="Press1",command=new\_button).pack()

root.mainloop()

#10. Write a python script to computer simple interest on the root window.

from tkinter import \*

root=Tk()

Label(root,text="Enter the Principle Amount").pack()

principle=Entry(root)

principle.pack()

Label(root,text="Enter the Rate of Intrest").pack()

rate=Entry(root)

rate.pack()

Label(root,text="Enter the Time in Years").pack()

time=Entry(root)

time.pack()

def sim\_int():

si=int(principle.get())\*int(rate.get())\*int(time.get())/100

Label(root,text="Simple Intrest = "+str(si)).pack()

Button(root,text="Calculate",command=sim\_int).pack()

root.mainloop()

***Lab10***

**#GUI1**

from tkinter import \*

class front:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

def home(e):

root.destroy()

from bbs\_gui2 import home

hm=home()

root.bind("<Key>", home)

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//3+125)

dev\_info=Frame(root)

dev\_info.grid(row=2,column=0,padx=w//3+125,pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red').grid(pady=10)

Label(dev\_info,text="Name: Fanindra Saini",font="Ariel 12 bold ",fg='blue').grid(pady=40)

Label(dev\_info,text="Er: 211B116",font="Ariel 12 bold ",fg='blue').grid()

Label(dev\_info,text="Mobile: XXXXXXXXXX",font="Ariel 12 bold ",fg='blue').grid(pady=40)

Label(dev\_info,text="Submitted to: Dr. Mahesh Kumar",font="Ariel 16 bold ",bg='powder blue',fg='red').grid()

Label(dev\_info,text="Project Based Learning",font="Ariel 12 bold ",fg='red').grid()

root.mainloop()

fr=front()

**#GUI2 home**

from tkinter import \*

class home:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

def seat\_booking():

root.destroy()

from bbs\_gui3 import journey

jr=journey()

def check\_booking\_status():

root.destroy()

from bbs\_gui5 import cyb

cy=cyb()

def add\_bus\_details():

root.destroy()

from bbs\_gui6 import details

dt=details()

top\_frame=Frame(root)

top\_frame.grid(row=0,column=2,padx=w//3-40)

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=2,padx=w//3-40,pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red',relief="groove",bd=2).grid(pady=20)

Button(mid\_frame,text="Seat Booking",command=seat\_booking,font="Ariel 12 bold ", bg= "#91e288 ", activebackground="#91e288") .grid(row=2,column=1,padx=30)

Button(mid\_frame,text="Check Booked Seats",command=check\_booking\_status,font="Ariel 12 bold ",bg='green3',activebackground="green3").grid(row=2,column=2,padx=30)

Button(mid\_frame,text="Add Bus Details",command=add\_bus\_details,font="Ariel 12 bold ",bg='green4',activebackground="green4").grid(row=2,column=3,padx=30)

Label(mid\_frame,text="For Admins Only",font="Ariel 10 bold ",fg='red').grid(row=4,column=3,padx=30,pady=10)

root.mainloop()

**#GUI 3 book**

from tkinter import \*

from tkinter import messagebox

import random

import sqlite3

class journey:

def \_\_init\_\_(self) :

self.con=sqlite3.connect("bbsdb.db")

self.cur=self.con.cursor()

self.root=Tk()

w,h=self.root.winfo\_screenwidth(),self.root.winfo\_screenheight()

self.root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(self.root)

top\_frame.grid(row=0,column=2,padx=w//5)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red',relief="groove",bd=2).grid(pady=10)

w,h=self.root.winfo\_screenwidth(),self.root.winfo\_screenheight()

self.img2=PhotoImage(file="project\_resources/home.png")

mid\_frame=Frame(self.root)

mid\_frame.grid(row=2,column=2,padx=w//5,pady=20)

Label(mid\_frame,text="Enter Journey Details",font="Ariel 14 bold ",bg='light green',fg='green',relief="groove",bd=2).grid(row=2,column=0,columnspan=15,pady=10)

Label(mid\_frame,text="To",font="Ariel 12 bold ").grid(row=3,column=4)

self.to=Entry(mid\_frame,font="Ariel 12 bold ")

self.to.grid(row=3,column=5)

Label(mid\_frame,text="From",font="Ariel 12 bold ").grid(row=3,column=6)

self.fro=Entry(mid\_frame,font="Ariel 12 bold ")

self.fro.grid(row=3,column=7)

Label(mid\_frame,text="Journey Date",font="Ariel 12 bold ").grid(row=3,column=8)

self.jdate=Entry(mid\_frame,font="Ariel 12 bold ")

self.jdate.grid(row=3,column=9)

def home():

self.cur.close()

self.con.close()

self.root.destroy()

from bbs\_gui2 import home

hm=home()

Button(mid\_frame,text="Show Bus",command=self.sel\_bus,font="Ariel 12 bold ",bg='SpringGreen3',activebackground="SpringGreen3",bd=5).grid(row=3,column=10,padx=10)

Button(mid\_frame,image=self.img2,bd=3,command=home).grid(row=3,column=11,padx=10)

self.root.mainloop()

def sel\_bus(self):

select\_bus=Frame(self.root)

select\_bus.grid(row=5,column=2,pady=20)

self.to\_st=self.to.get()

self.source=self.fro.get()

self.tr\_on=self.jdate.get()

#cur.execute('select DISTINCT b.bid,oname,b.bus\_type,seat\_available,b.fare from operator,buses as b,route as r1,route as r2,run where (r1.sta\_name="{0}" and r2.sta\_name="{1}") and r1.staid>r2.staid and run\_date="{2}" and b.rid=r2.rid; '.format(t,f,j))

#cur.execute('select DISTINCT b.bid,oname, b.bus\_type,seat\_available,b.fare from operator, buses as b,route as r1,route as r2,run where (r1.staid>r2.staid) and (r1.sta\_name="{0}" and r2.sta\_name="{1}") and (run.run\_date="{2}") and (b.rid=r1.rid and run.bid=b.bid and b.oid=operator.oid); '.format(self.to\_st,self.source,self.tr\_on))

#select DISTINCT b.bid,o.oname,b.bus\_type,b.capacity,b.fare, r1.staid,r1.sta\_name,r2.staid,r2.sta\_name from route as r1,route as r2,run as rn,buses as b,operator as o where r1.sta\_name="Bhopal" and r2.sta\_name="Guna" and run\_date="30/11/2022" and r1.staid>r2.staid and b.rid=r1.rid and b.bid=rn.bid and b.oid=o.oid;

self.cur.execute('select DISTINCT b.bid,o.oname,b.bus\_type,b.capacity,b.fare, r1.staid,r1.sta\_name,r2.staid,r2.sta\_name from route as r1,route as r2,run as rn,buses as b,operator as o where r1.sta\_name="{0}" and r2.sta\_name="{1}" and run\_date="{2}" and r1.staid>r2.staid and b.rid=r1.rid and b.bid=rn.bid and b.oid=o.oid;'.format(self.to\_st,self.source,self.tr\_on))

self.res=self.cur.fetchall()

Label(select\_bus,text="Select Bus",font="Ariel 12 bold ",fg='green').grid(row=5,column=2,padx=60)

Label(select\_bus,text="Opertor",font="Ariel 12 bold ",fg='green').grid(row=5,column=3,padx=60)

Label(select\_bus,text="Bus Type",font="Ariel 12 bold ",fg='green').grid(row=5,column=4,padx=60)

Label(select\_bus,text="Available/Capacity",font="Ariel 12 bold ",fg='green').grid(row=5,column=5,padx=60)

Label(select\_bus,text="Fare",font="Ariel 12 bold ",fg='green').grid(row=5,column=6,padx=60)

Button(select\_bus,text="Proceed to Book",command=self.book,font="Ariel 12 bold ",bg='lime green',activebackground="lime green",bd=3).grid(row=6,column=10,padx=60)

j=0

self.bus\_select=StringVar()

for i in self.res:

print(i[0],i[1],i[2],i[3],i[4])

j+=1

Radiobutton(select\_bus,text="Bus"+str(j),variable=self.bus\_select,value=i[0],indicator=0,font="Ariel 12 bold ",bg='light blue',activebackground="lime green").grid(row=6+j,column=2,padx=60)

Label(select\_bus,text=i[1],font="Ariel 12 bold ",fg='green').grid(row=6+j,column=3,padx=60)

Label(select\_bus,text=i[2],font="Ariel 12 bold ",fg='green').grid(row=6+j,column=4,padx=60)

Label(select\_bus,text=i[3],font="Ariel 12 bold ",fg='green').grid(row=6+j,column=5,padx=60)

Label(select\_bus,text=i[4],font="Ariel 12 bold ",fg='green').grid(row=6+j,column=6,padx=60)

def book(self):

booking=Frame(self.root)

booking.grid(row=10,column=2,pady=20)

Label(booking,text="Fill Pasenger Details to book the bus ticket",font="Ariel 16 bold ",bg='light blue',fg='red',relief="groove",bd=2).grid(row=0,column=0,columnspan=15,pady=30)

Label(booking,text="Name",font="Ariel 12 bold ").grid(row=2,padx=10, column=4)

self.name=Entry(booking,font="Ariel 12 bold ")

self.name.grid(row=2,padx=10, column=5)

Label(booking,text="Gender",font="Ariel 12 bold ").grid(row=2,padx=10, column=6)

self.gen=StringVar()

opt=["Male","Female"]

self.gen.set(opt[0])

gen\_menu=OptionMenu(booking,self.gen,\*opt)

gen\_menu.config(font="Ariel 10 italic")

gen\_menu.grid(row=2,padx=10, column=7)

Label(booking,text="No of Seats",font="Ariel 12 bold ").grid(row=2,padx=10, column=8)

self.seats=Entry(booking,font="Ariel 12 bold ")

self.seats.grid(row=2,padx=10, column=9)

Label(booking,text="Mobile No ",font="Ariel 12 bold ").grid(row=2,padx=10, column=10)

self.mob=Entry(booking,font="Ariel 12 bold ")

self.mob.grid(row=2,padx=10, column=11)

Label(booking,text="Age",font="Ariel 12 bold ").grid(row=2,padx=10, column=12)

self.age=Entry(booking,font="Ariel 12 bold ")

self.age.grid(row=2,padx=10, column=13)

Button(booking,text="Book Seat",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=self.rec,bd=3).grid(row=2,column=14,padx=10)

def rec(self):

n=self.name.get()

g=self.gen.get()

s=self.seats.get()

m=self.mob.get()

a=self.age.get()

self.bno=self.bus\_select.get()

print(self.bno)

for i in self.res:

if(i[0]==self.bno):

op=i[1]

fr=i[4]

bref=random.randint(1000000,9999999)

print(bref)

query='insert into pass\_booking(book\_ref,pname,gender,age,phone,seats,travel\_on,booked\_on,boarding\_point,bus\_operator,fare,destination\_point,bid) values({0},"{1}","{2}",{3},"{4}",{5},"{6}",DATE(),"{7}","{8}",{9},"{10}","{11}")'.format(bref,n,g,a,m,s,self.tr\_on,self.source,op,fr,self.to\_st,self.bno)

print(query)

fare\_conf=messagebox.askyesno("Fare Confirmation","Confirm Payment")

if(fare\_conf==True):

o=self.qx(query)

if o==True:

query='update run set seat\_available=seat\_available-{0} where bid="{1}" and run\_date="{2}"'.format(s,self.bno,self.tr\_on)

self.qx(query)

self.con.commit()

self.cur.close()

self.con.close()

self.root.destroy()

from bbs\_gui4 import tic

tk=tic(bref)

else:

raise Exception("Something went wrong.")

def qx(self,query):

self.cur.execute(query)

self.con.commit()

return True

**#GUI 4**

#!/usr/bin/env python3

from tkinter import \*

from tkinter import messagebox

import sqlite3

class tic:

def \_\_init\_\_(self,brf):

con=sqlite3.Connection('bbsdb.db')

cur=con.cursor()

cur.execute('select \* from pass\_booking where book\_ref={0}'.format(brf))

res=cur.fetchall()

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

messagebox.showinfo("Success","Seat Booked.....")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//3+125)

ticket=Frame(root,relief="groove",borderwidth=5)

ticket.grid(row=2,column=0,padx=w//3+125,pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red',relief="groove",bd=2).grid(pady=10)

total=res[0][5]\*res[0][10]

Label(top\_frame,text="Bus Ticket",font="Ariel 10 bold").grid()

Label(ticket,text="Passengers: "+res[0][1],font="Ariel 10 bold").grid(row=0,column=0)

Label(ticket,text="No of Seats: "+str(res[0][5]),font="Ariel 10 bold").grid(row=1,column=0)

Label(ticket,text="Age:"+str(res[0][3]),font="Ariel 10 bold").grid(row=2,column=0)

Label(ticket,text="Booking Ref.:"+str(res[0][0]),font="Ariel 10 bold").grid(row=3,column=0)

Label(ticket,text="Travel On: "+res[0][6],font="Ariel 10 bold").grid(row=4,column=0)

Label(ticket,text="Fare per Person: ₹"+str(res[0][10]),font="Ariel 10 bold").grid(row=5,column=0)

Label(ticket,text="Bus ID: "+res[0][12],font="Ariel 10 bold").grid(row=6,column=0)

Label(ticket,text="Gender: "+res[0][2],font="Ariel 10 bold").grid(row=0,column=2)

Label(ticket,text="Phone: "+res[0][4],font="Ariel 10 bold").grid(row=1,column=2)

Label(ticket,text="Total Fare: ₹"+str(total),font="Ariel 10 bold").grid(row=2,column=2)

Label(ticket,text="Bus Detail: "+str(res[0][9]),font="Ariel 10 bold").grid(row=3,column=2)

Label(ticket,text="Booked On: "+res[0][7],font="Ariel 10 bold").grid(row=4,column=2)

Label(ticket,text="Boarding Point: "+res[0][8],font="Ariel 10 bold").grid(row=5,column=2)

Label(ticket,text="Destination Point: "+res[0][11],font="Ariel 10 bold").grid(row=6,column=2)

Label(ticket,text="\*Total amount ₹"+str(total)+"/- is to be paid at the time of boarding bus",font="Ariel 8").grid(column=0,columnspan=2)

def on\_closing():

mess=messagebox.askyesnocancel("quit","do you want to quit")

if mess:

print(mess)

root.destroy()

elif mess=="None":

print(mess)

else:

root.destroy()

from bbs\_gui2 import home

hm=home()

root.protocol("WM\_DELETE\_WINDOW", on\_closing)

root.mainloop()

**#GUI 5**

from tkinter import \*

from tkinter import messagebox

import sqlite3

class cyb:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//3)

booking=Frame(root)

booking.grid(row=2,column=0,padx=w//3,pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red',relief="raised").grid(pady=10)

Label(booking,text="Check Your Booking",font="Ariel 14 bold ",bg='light green',fg='green',relief="raised").grid(column=1, pady=10)

Label(booking,text="Enter Your Mobile No:",font="Ariel 12 bold ").grid(row=3,column=0)

mn=Entry(booking,font="Ariel 12 bold ")

mn.grid(row=3,column=1)

def check\_tic():

pho=mn.get()

con=sqlite3.connect('bbsdb.db')

cur=con.cursor()

cur.execute('select \* from pass\_booking where phone="{0}"'.format(pho))

res=cur.fetchall()

if res==[]:

messagebox.showinfo("Check Bookings","No bookings Found")

else:

ticket=Frame(root,relief="groove",borderwidth=5)

ticket.grid(row=5,column=0,padx=w//3+125,pady=20)

total=res[0][5]\*res[0][10]

Label(ticket,text="Passengers: "+res[0][1],font="Ariel 10 bold").grid(row=0,column=0)

Label(ticket,text="No of Seats: "+str(res[0][5]),font="Ariel 10 bold").grid(row=1,column=0)

Label(ticket,text="Age:"+str(res[0][3]),font="Ariel 10 bold").grid(row=2,column=0)

Label(ticket,text="Booking Ref.:"+str(res[0][0]),font="Ariel 10 bold").grid(row=3,column=0)

Label(ticket,text="Travel On: "+res[0][6],font="Ariel 10 bold").grid(row=4,column=0)

Label(ticket,text="Fare per Person: ₹"+str(res[0][10]),font="Ariel 10 bold").grid(row=5,column=0)

Label(ticket,text="Bus ID: "+res[0][12],font="Ariel 10 bold").grid(row=6,column=0)

Label(ticket,text="Gender: "+res[0][2],font="Ariel 10 bold").grid(row=0,column=2)

Label(ticket,text="Phone: "+res[0][4],font="Ariel 10 bold").grid(row=1,column=2)

Label(ticket,text="Total Fare: ₹"+str(total),font="Ariel 10 bold").grid(row=2,column=2)

Label(ticket,text="Bus Detail: "+str(res[0][9]),font="Ariel 10 bold").grid(row=3,column=2)

Label(ticket,text="Booked On: "+res[0][7],font="Ariel 10 bold").grid(row=4,column=2)

Label(ticket,text="Boarding Point: "+res[0][8],font="Ariel 10 bold").grid(row=5,column=2)

Label(ticket,text="Destination Point: "+res[0][11],font="Ariel 10 bold").grid(row=6,column=2)

Label(ticket,text="\*Total amount ₹"+str(total)+"/- is to be paid at the time of boarding bus",font="Ariel 8").grid(column=0,columnspan=2)

def home():

root.destroy()

from bbs\_gui2 import home

hm=home()

Button(booking,image=img2,bd=3,command=home).grid(row=3,column=4,padx=10)

Button(booking,text="Check Booking",command=check\_tic,font="Ariel 12 bold ").grid(row=3,column=2,padx=10)

root.mainloop()

**#GUI 6**

from tkinter import \*

class details:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,columnspan=20,padx=w//3)

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=0,columnspan=20,padx=w//3,pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ", fg='red').grid(pady=20)

def new\_operator():

root.destroy()

from bbs\_gui7 import operator

op=operator()

def new\_bus():

root.destroy()

from bbs\_gui8 import bus

ab=bus()

def new\_route():

root.destroy()

from bbs\_gui9 import route

rt=route()

def new\_run():

root.destroy()

from bbs\_gui10 import run

rn=run()

Label(mid\_frame,text="Add New Details to Database",font="Ariel 14 bold ",fg='green',relief="solid").grid(columnspan=20,pady=20)

Button(mid\_frame,text="New Operator",command=new\_operator, font="Ariel 12 bold ",bg='lime green',activebackground="lime green").grid(row=2,column=1,padx=30)

Button(mid\_frame,text="New Bus",command=new\_bus,font="Ariel 12 bold ",bg='tomato',activebackground="tomato").grid(row=2,column=2,padx=30)

Button(mid\_frame,text="New Route",command=new\_route,font="Ariel 12 bold ",bg='RoyalBlue1',activebackground="RoyalBlue1").grid(row=2,column=3,padx=30)

Button(mid\_frame,text="New Run",command=new\_run,font="Ariel 12 bold ",bg='LightPink3',activebackground="LightPink3").grid(row=2,column=4,padx=30)

root.mainloop()

**#GUI 7**

from tkinter import \*

from tkinter.messagebox import showinfo

import sqlite3

class operator:

def \_\_init\_\_(self) :

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

#img=PhotoImage(file="C:\\Users\\211B116\\Desktop\\fansan\\AP\\Lab10\\Project\\Bus\_for\_project.png")

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

#img=PhotoImage(file="C:\\Users\\211B116\\Desktop\\fansan\\AP\\Lab10\\Project\\home.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//5-225)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red').grid(pady=10)

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=0,padx=w//5-225,pady=20)

Label(mid\_frame,text="Add Bus Operator Details",font="Ariel 16 bold ",fg='red',relief="raised").grid(columnspan=20,pady=30)

Label(mid\_frame,text="Operator id",font="Ariel 12 bold ").grid(row=2, column=0)

self.oid=Entry(mid\_frame,font="Ariel 12 bold ")

self.oid.grid(row=2, column=1)

Label(mid\_frame,text="Name",font="Ariel 12 bold ").grid(row=2, column=2)

self.name=Entry(mid\_frame,font="Ariel 12 bold ")

self.name.grid(row=2, column=3)

Label(mid\_frame,text="Address",font="Ariel 12 bold ").grid(row=2, column=4)

self.address=Entry(mid\_frame,font="Ariel 12 bold ")

self.address.grid(row=2, column=5)

Label(mid\_frame,text="Phone ",font="Ariel 12 bold ").grid(row=2, column=6)

self.phone=Entry(mid\_frame,font="Ariel 12 bold ")

self.phone.grid(row=2, column=7)

Label(mid\_frame,text="Email",font="Ariel 12 bold ").grid(row=2, column=8)

self.email=Entry(mid\_frame,font="Ariel 12 bold ")

self.email.grid(row=2, column=9)

Button(mid\_frame,text="Add",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(1)).grid(row=2,column=14)

Button(mid\_frame,text="Edit",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(2)).grid(row=2,column=15)

def home():

root.destroy()

from bbs\_gui2 import home

hm=home()

Button(mid\_frame,image=img2,bd=3,command=home).grid(row=3,column=14,padx=10)

root.mainloop()

def rec(self,x):

o=self.oid.get()

n=self.name.get()

a=self.address.get()

p=self.phone.get()

e=self.email.get()

try:

if x==1:

query='insert into operator(oid,oname,phone,email,address) values({0},"{1}","{2}","{3}","{4}")'.format(o,n,p,e,a)

elif x==2:

query='update operator set oid={0},oname="{1}",phone="{2}",email="{3}",address="{4}"'.format(o,n,p,e,a)

print(query)

o=self.qx(query)

print(query)

if o==True and x==1:

a=showinfo("Operator Details","Operator record added Succesfully.")

elif o==True and x==2:

a=showinfo("Operators Details","Operator Record Updated Succesfully.")

else:

raise Exception("Something went wrong.")

except:

a=showinfo("Failure"," Operation Unsuccesful.\nMaybe Record already Exist or you have Entered Wrong Values.\n Please try Again")

def qx(self,query):

con=sqlite3.Connection('bbsdb.db')

cur=con.cursor()

cur.execute(query)

con.commit()

cur.close()

con.close()

return True

**#GUI 8**

from tkinter import \*

from tkinter.messagebox import showinfo

import sqlite3

class bus:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//5-100)

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=0,padx=100, pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red').grid(pady=10)

Label(mid\_frame,text="Add Bus Details",font="Ariel 16 bold ",fg='red',relief="raised").grid(row=0,column=0,columnspan=20,padx=200,pady=30)

Label(mid\_frame,text="Bus id",font="Ariel 12 bold ").grid(row=2, column=4)

self.bid=Entry(mid\_frame,font="Ariel 12 bold ")

self.bid.grid(row=2, column=5)

Label(mid\_frame,text="Bus Type",font="Ariel 12 bold ").grid(row=2,padx=10, column=6)

self.bus\_type=StringVar()

opt=["AC 2X2","AC 3X2","Non AC 2X2","Non AC 3X2","AC-Sleeper 2x1","Non-AC Sleeper 2x1"]

self.bus\_type.set(opt[0])

bus\_type\_menu=OptionMenu(mid\_frame,self.bus\_type,\*opt)

bus\_type\_menu.grid(row=2,padx=10, column=7)

Label(mid\_frame,text="Capacity",font="Ariel 12 bold ").grid(row=2, column=8)

self.capacity=Entry(mid\_frame,font="Ariel 12 bold ")

self.capacity.grid(row=2, column=9)

Label(mid\_frame,text="Fare Rs",font="Ariel 12 bold ").grid(row=2, column=10)

self.fare=Entry(mid\_frame,font="Ariel 12 bold ")

self.fare.grid(row=2, column=11)

Label(mid\_frame,text="Operator ID",font="Ariel 12 bold ").grid(row=2, column=12)

self.oid=Entry(mid\_frame,font="Ariel 12 bold ")

self.oid.grid(row=2, column=13)

Label(mid\_frame,text="Route id",font="Ariel 12 bold ").grid(row=2, column=14)

self.rid=Entry(mid\_frame,font="Ariel 12 bold ")

self.rid.grid(row=2, column=15)

Button(mid\_frame,text="Add Bus",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(1)).grid(row=3,column=9,pady=30)

Button(mid\_frame,text="Edit Bus",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(2)).grid(row=3,column=10,pady=30)

def home():

root.destroy()

from bbs\_gui2 import home

hm=home()

Button(mid\_frame,image=img2,command=home).grid(row=3,column=11,pady=30)

root.mainloop()

def rec(self,x):

n=self.bid.get()

o=self.oid.get()

r=self.rid.get()

bt=self.bus\_type.get()

c=self.capacity.get()

f=self.fare.get()

try:

if x==1:

query='insert into buses(bid,oid,rid,bus\_type,capacity,fare) values("{0}",{1},{2},"{3}",{4},{5})'.format(n,o,r,bt,c,f)

elif x==2:

query='update buses set bid="{0}",oid={1},rid={2},bus\_type="{3}",capacity={4},fare={5} where bid="{0}"'.format(n,o,r,bt,c,f)

print(query)

o=self.qx(query)

if o==True and x==1:

a=showinfo("Bus Details","Bus record added Succesfully.")

elif o==True and x==2:

a=showinfo("Bus Details"," Bus Record Updated Succesfully.")

else:

raise Exception("Something went wrong.")

except:

a=showinfo("Failure"," Operation Unsuccesful.\nMaybe Record already Exist or you have Entered Wrong Values.\n Please try Again")

def qx(self,query):

con=sqlite3.Connection("bbsdb.db")

cur=con.cursor()

cur.execute(query)

con.commit()

cur.close()

con.close()

return True

**#GUI 9**

from tkinter import \*

from tkinter.messagebox import showinfo

import sqlite3

class route:

def \_\_init\_\_(self):

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//5-150)

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=0,padx=w//5-150, pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red').grid(pady=10)

Label(mid\_frame,text="Add Bus Route Details",font="Ariel 16 bold ",fg='red',relief="raised").grid(columnspan=20,padx=200,pady=30)

Label(mid\_frame,text="Route id",font="Ariel 12 bold ").grid(row=2, column=2,padx=10)

self.rid=Entry(mid\_frame,font="Ariel 12 bold ")

self.rid.grid(row=2, column=3)

Label(mid\_frame,text="Station Name",font="Ariel 12 bold ").grid(row=2, column=4,padx=10)

self.st\_name=Entry(mid\_frame,font="Ariel 12 bold ")

self.st\_name.grid(row=2, column=5)

Label(mid\_frame,text="Station ID",font="Ariel 12 bold ").grid(row=2, column=6,padx=10)

self.st\_id=Entry(mid\_frame,font="Ariel 12 bold ")

self.st\_id.grid(row=2, column=7)

Button(mid\_frame,text="Add Route",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(1)).grid(row=2,column=9,padx=20)

Button(mid\_frame,text="Delete Route",font="Ariel 12 bold ",bg='light green',fg="red",activebackground="light green",command=lambda:self.rec(3)).grid(row=2,column=10,padx=20)

def home():

root.destroy()

from bbs\_gui2 import home

hm=home()

Button(mid\_frame,image=img2,command=home).grid(row=3,column=8,pady=30)

root.mainloop()

def rec(self,x):

r=self.rid.get()

stid=self.st\_id.get()

stn=self.st\_name.get()

if x==1:

query='insert into route(rid,staid,sta\_name) values({0},{1},"{2}") '.format(r,stid,stn)

elif x==3:

query=' delete from route where rid={0} and staid={1} and sta\_name="{2}" '.format(r,stid,stn)

print(query)

o=self.qx(query)

if o==True and x==1:

a=showinfo("Route","record added Succesfully.")

elif o==True and x==3:

a=showinfo("Route"," Record deleated Succesfully.")

else:

print("Something Went Wrong")

def qx(self,query):

con=sqlite3.connect("bbsdb.db")

cur=con.cursor()

cur.execute(query)

con.commit()

cur.close()

con.close()

return True

**#GUI 10**

from tkinter import \*

from tkinter.messagebox import showinfo

import sqlite3

root=Tk()

w,h=root.winfo\_screenwidth(),root.winfo\_screenheight()

root.geometry("%dx%d+0+0"%(w,h))

class run:

def \_\_init\_\_(self):

img=PhotoImage(file="project\_resources/Bus\_for\_project.png")

img2=PhotoImage(file="project\_resources/home.png")

top\_frame=Frame(root)

top\_frame.grid(row=0,column=0,padx=w//5-150)

mid\_frame=Frame(root)

mid\_frame.grid(row=2,column=0,padx=w//5-150, pady=20)

Label(top\_frame,image=img).grid(pady=10)

Label(top\_frame,text="Online Bus Booking System",font="Ariel 18 bold ",bg='light blue',fg='red').grid(pady=10)

Label(mid\_frame,text="Add Bus Running Details",font="Ariel 16 bold ",fg='red',relief="raised").grid(columnspan=20,padx=200,pady=30)

Label(mid\_frame,text="Bus id",font="Ariel 12 bold ").grid(row=2, column=2,padx=10)

self.bid=Entry(mid\_frame,font="Ariel 12 bold ")

self.bid.grid(row=2, column=3)

Label(mid\_frame,text="Running Date",font="Ariel 12 bold ").grid(row=2, column=4,padx=10)

self.rdate=Entry(mid\_frame,font="Ariel 12 bold ")

self.rdate.grid(row=2, column=5)

Label(mid\_frame,text="Seat Available",font="Ariel 12 bold ").grid(row=2, column=6,padx=10)

self.savail=Entry(mid\_frame,font="Ariel 12 bold ")

self.savail.grid(row=2, column=7)

Button(mid\_frame,text="Add Run",font="Ariel 12 bold ",bg='light green',activebackground="light green",command=lambda:self.rec(1)).grid(row=2,column=9,padx=20)

Button(mid\_frame,text="Delete Run",font="Ariel 12 bold ",bg='light green',fg="red",activebackground="light green",command=lambda:self.rec(3)).grid(row=2,column=10,padx=20)

def home():

root.destroy()

from bbs\_gui2 import home

hm=home()

Button(mid\_frame,image=img2,command=home).grid(row=3,column=8,pady=30)

root.mainloop()

def rec(self,x):

id=self.bid.get()

seat\_avail=self.savail.get()

rdt=self.rdate.get()

if x==1:

query='insert into run(bid,seat\_available,run\_date) values("{0}",{1},"{2}") '.format(id,seat\_avail,rdt)

elif x==3:

query=' delete from run where bid="{0}" and run\_date="{1}"'.format(id,rdt)

print(query)

o=self.qx(query)

if o==True and x==1:

a=showinfo("Run","record added Succesfully.")

elif o==True and x==3:

a=showinfo("Run"," Record deleated Succesfully.")

else:

print("Something Went Wrong")

def qx(self,query):

con=sqlite3.connect("bbsdb.db")

cur=con.cursor()

cur.execute(query)

con.commit()

cur.close()

con.close()

return True