**Code for Smart Career Guidance and Recommendation System**

from tkinter import \*

def cou():

top = Tk()

top.geometry("500x300")

top.configure(background='light green')

top.title("Related to the Selected Subject Graduation Course List")

Lb1 = Listbox(top,width=100,height=6,bg="light blue")

Lb1.insert(1, "Bachelor of Arts degree in History(course duration:3 years)")

Lb1.insert(2, "Bachelor of Arts in Foreign Language(course duration:3 years)")

Lb1.insert(3, "Bachelor of Arts in Textile Design(course duration:3 years)")

Lb1.insert(4, "Bachelor of Arts in Fashion Media Communication(course duration:3 years)")

Lb1.insert(5,"Bachelor of Arts in Fashion Marketing(course duration:3 years)")

button1 = Button(top,text="close", fg="Black", bg="Red",command=top.destroy)

button1.pack(side=BOTTOM)

Lb1.pack()

top.mainloop()

def commerce():

top = Tk()

top.geometry("800x680")

top.configure(background='light green')

top.title("Related to the Selected Subject Graduation Course List")

Lb1 = Listbox(top,width=100,height=6,bg="light blue")

Lb1.insert(1, "Charter Accountant(course duration:3 years)")

Lb1.insert(2, "BA(course duration:3 years)")

Lb1.insert(3, "Bachelor of Arts in Textile Design(course duration:3 years)")

Lb1.insert(4, "Bachelor of Arts in Fashion Media Communication(course duration:3 years)")

Lb1.insert(5,"Bachelor of Arts in Fashion Marketing(course duration:3 years)")

button1 = Button(top,text="close", fg="Black", bg="Red",command=top.destroy)

button1.pack(side=BOTTOM)

Lb1.pack()

top.mainloop()

def medical():

top = Tk()

top.geometry("800x680")

top.configure(background='light green')

top.title("Related to the Selected Subject Graduation Course List")

Lb1 = Listbox(top,width=100,height=6,bg="light blue")

Lb1.insert(1, "Bachelor of Arts degree in History(course duration:3 years)")

Lb1.insert(2, "Bachelor of Arts in Foriegn Language(course duration:3 years)")

Lb1.insert(3, "Bachelor of Arts in Textile Design(course duration:3 years)")

Lb1.insert(4, "Bachelor of Arts in Fashion Media Communication(course duration:3 years)")

Lb1.insert(5,"Bachelor of Arts in Fashion Marketing(course duration:3 years)")

button1 = Button(top,text="close", fg="Black", bg="Red",command=top.destroy)

button1.pack(side=BOTTOM)

Lb1.pack()

top.mainloop()

def nonmedic():

top = Tk()

top.geometry("800x680")

top.configure(background='light green')

top.title("Related to the Selected Subject Graduation Course List")

Lb1 = Listbox(top,width=100,height=6,bg="light blue")

Lb1.insert(1, "Bachelor of Technology(course duration:4 years)")

Lb1.insert(2, "BCA(course duration:3 years)")

Lb1.insert(3, "Bachelor of Arts in Textile Design(course duration:3 years)")

Lb1.insert(4, "Bachelor of Arts in Fashion Media Communication(course duration:3 years)")

Lb1.insert(5,"Bachelor of Arts in Fashion Marketing(course duration:3 years)")

button1 = Button(top,text="close", fg="Black", bg="Red",command=top.destroy)

button1.pack(side=BOTTOM)

Lb1.pack()

top.mainloop()

def mwb():

top = Tk()

top.geometry("800x680")

top.configure(background='light green')

top.title("Related to the Selected Subject Graduation Course List")

Lb1 = Listbox(top,width=100,height=6,bg="light blue")

Lb1.insert(1, "MBBS(course duration:5 years)")

Lb1.insert(2, "BSC(course duration:3 years)")

Lb1.insert(3, "Bachelor of Arts in Textile Design(course duration:3 years)")

Lb1.insert(4, "Bachelor of Arts in Fashion Media Communication(course duration:3 years)")

Lb1.insert(5,"Bachelor of Arts in Fashion Marketing(course duration:3 years)")

button1 = Button(top,text="close", fg="Black", bg="Red",command=top.destroy)

button1.pack(side=BOTTOM)

Lb1.pack()

top.mainloop()

def sell():

def co():

roott.destroy()

cou()

def com():

roott.destroy()

commerce()

def non():

roott.destroy()

nonmedic()

def med():

roott.destroy()

medical()

def math():

roott.destroy()

mwb()

roott = Tk()

roott.geometry("800x680")

roott.configure(background='light green')

roott.title("Subject Select")

var=IntVar()

R1 = Radiobutton(roott, text="Arts", variable=var, value=1,bg="light blue",command=co)

R1.pack( anchor = W )

R2 = Radiobutton(roott, text="Commerce", variable=var, value=2,bg="light blue",command=com)

R2.pack( anchor = W )

R3 = Radiobutton(roott, text="Non-Medical", variable=var, value=3,bg="light blue",command=non)

R3.pack( anchor = W)

R3 = Radiobutton(roott, text="Medical", variable=var, value=4,bg="light blue",command=med)

R3.pack( anchor = W)

R3 = Radiobutton(roott, text="Maths with Biology", variable=var, value=9,bg="light blue",command=math)

R3.pack( anchor = W)

label = Label(roott)

label.pack()

roott.mainloop()

def fun():

root.destroy()

sell()

root = Tk()

# set the background colour of GUI window

root.configure(background='light green')

# set the title of GUI window

root.title("Detail of Student For Counseling Course")

# set the configuration of GUI window

root.geometry("800x680")

# create Form,name,Father's Name,DOB,SchoolName,Board of Study,Date of passing 12th,Roll no,Email No.,Password

heading = Label(root, text="Detail of Student", bg="light green",width=20)

name = Label(root, text="Name", bg="light green")

Fathername = Label(root, text="Father's Name", bg="light green")

DOB = Label(root, text="DOB", bg="light green")

schoolname = Label(root, text="School Name", bg="light green")

BoardofStudy = Label(root, text="Board of Study", bg="light green")

Dateofpassing = Label(root, text="Date of passing 12th", bg="light green")

percentage = Label(root, text="Percentage or CGPA in 12th", bg="light green")

email\_id = Label(root, text="Email id", bg="light green")

password = Label(root, text="Password", bg="light green")

# grid method is used for placing the widgets at respective positions in table like structure .

heading.grid(row=0,column=1)

name.grid(row=1,column=0)

Fathername.grid(row=2, column=0)

DOB.grid(row=3, column=0)

schoolname.grid(row=4, column=0)

BoardofStudy.grid(row=5, column=0)

Dateofpassing.grid(row=6, column=0)

percentage.grid(row=7, column=0)

email\_id.grid(row=8, column=0)

password.grid(row=9, column=0)

# create a text entry box for typing the information

name\_field = Entry(root)

Fathername\_field = Entry(root)

DOB\_field = Entry(root)

schoolname\_field = Entry(root)

BoardofStudy\_field = Entry(root)

Dateofpassing\_field = Entry(root)

email\_id\_field = Entry(root)

percentage\_field = Entry(root)

password\_field = Entry(root)

# grid method is used for placing the widgets at respective positions in table like structure .

name\_field.grid(row=1, column=1, ipadx="100")

Fathername\_field.grid(row=2, column=1, ipadx="100")

DOB\_field.grid(row=3, column=1, ipadx="100")

schoolname\_field.grid(row=4, column=1, ipadx="100")

BoardofStudy\_field.grid(row=5, column=1, ipadx="100")

Dateofpassing\_field.grid(row=6, column=1, ipadx="100")

percentage\_field.grid(row=7, column=1, ipadx="100")

email\_id\_field.grid(row=8, column=1, ipadx="100")

password\_field.grid(row=9, column=1, ipadx="100")

# create a Submit Button and place into the root window

submit = Button(root, text="Submit", fg="Black", bg="Red",command=fun)

submit.grid(row=10, column=1)

root.mainloop()