**Practical Assignment 2**

**17/18 MCA6 A,B**

**Subject-Advanced Embedded Programming Subject code-CAT-851**

**Question 1. Design the Tkinter GUI interface for sending the mail using Gmail. All students have to**

**configure this problem with their own Gmail accounts and have to attach snapshots of received**

**mail in their particular Gmail account by using this interface.**

from tkinter import \*

from tkinter import ttk

import smtplib

gmail\_user = 'uic.18mca8107@gmail.com'

gmail\_password = 'Akshay15115'

def sendmail():

try:

var2=password.get()

cc=[receiver.get()]

bcc=[bcc1.get()]

var5=subject.get()

sent\_from=gmail\_user

msg = msgbody.get('1.0','end')

msgtosend = "From: %s\r\n" % gmail\_user + "To: %s\r\n" % var2 + "CC: %s\r\n" % ",".join(cc) + "Subject: %s\r\n" % var5 + "\r\n" + msg

toaddrs = [var2] + cc + bcc

server = smtplib.SMTP\_SSL('smtp.gmail.com', 465)

server.ehlo()

server.login(gmail\_user, gmail\_password)

server.sendmail(sent\_from, toaddrs, msgtosend)

server.close()

print ('Email sent!')

ttk.Label(mainframe, text=str('Email sent!')).grid(column=4,row=9,sticky=W)

except Exception as e:

print ('Something went wrong...')

ttk.Label(mainframe, text=str(e)).grid(column=4,row=9,sticky=W)

root = Tk()

root.title("Compose Email")

mainframe = ttk.Frame(root, padding="3 3 12 12")

mainframe.grid(column=0, row=0, sticky=(N, W, E, S))

mainframe.columnconfigure(0, weight=1)

mainframe.rowconfigure(0, weight=1)

password = StringVar()

receiver = StringVar()

subject = StringVar()

msgbody = StringVar()

bcc1 = StringVar()

ttk.Label(mainframe, text="From ").grid(column=3, row=1, sticky=E)

ttk.Label(mainframe, text=str(gmail\_user)).grid(column=4, row=1, sticky=(W, E))

ttk.Label(mainframe, text="To ").grid(column=3, row=2, sticky=E)

password\_entry = ttk.Entry(mainframe, width=30, textvariable=password)

password\_entry.grid(column=4, row=2, sticky=(W, E))

ttk.Label(mainframe, text="Cc ").grid(column=3, row=3, sticky=E)

receiver\_entry = ttk.Entry(mainframe, width=30, textvariable=receiver)

receiver\_entry.grid(column=4, row=3, sticky=(W, E))

ttk.Label(mainframe, text="Bcc ").grid(column=3, row=4, sticky=E)

receiver\_entry = ttk.Entry(mainframe, width=30, textvariable=bcc1)

receiver\_entry.grid(column=4, row=4, sticky=(W, E))

ttk.Label(mainframe, text="Subject ").grid(column=3, row=5, sticky=E)

subject\_entry = ttk.Entry(mainframe, width=30, textvariable=subject)

subject\_entry.grid(column=4, row=5, sticky=(W, E))

ttk.Label(mainframe, text="Body ").grid(column=3, row=6, sticky=E)

msgbody = Text(mainframe, width=60, height=10)

msgbody.grid(column=4, row=7, sticky=(W, E))

ttk.Button(mainframe, text="Send", command=sendmail).grid(column=4,row=8,sticky=E)

for child in mainframe.winfo\_children(): child.grid\_configure(padx=5, pady=5)

password\_entry.focus()

root.mainloop()

Interface:-





