**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.

import smtplib

from smtplib import SMTPException

#this app sends email via gmail

def gmail( ):

usermail = user\_email.get()

receivermail=receiver\_email.get()

server=smtplib.SMTP('smtp.gmail.com:587')

pass\_word=password.get()

subject=subj.get()

#This allow you to include a subject by adding from, to and subject

main\_message=body.get('1.0', 'end-1c')

Body="""From: Name here <usermail>

To: <receivermail>

Subject:%s

%s

""" %(subject,main\_message )

try:

server=smtplib.SMTP('smtp.gmail.com:587')

server.ehlo()

server.starttls()

server.login(usermail, pass\_word )

server.sendmail(usermail,receivermail,Body)

text.insert(1.0, 'message sent')

#error handling

except (smtplib.SMTPException,ConnectionRefusedError,OSError):

text.insert(1.0, 'message sent')

finally:

server.quit()

#Gui interface

from tkinter import\*

root= Tk(className=" Gmail app " )

root.config(bg="brown", )

#user mail

user\_email = Label(root, text="Enter your Gmail address: ")

user\_email.pack()

user\_email.config(bg="black", fg="white")

user\_email = Entry(root, bd =8)

user\_email.pack(fill=X)

#receiver email

receiver\_email = Label(root, text="Enter the recipient's email address:")

receiver\_email.pack( )

receiver\_email.config(bg="black", fg="white")

receiver\_email = Entry(root, bd =8)

receiver\_email.pack(fill=X)

#subject line

subj= Label(root, text="Enter your subject here: ")

subj.pack( )

subj.config(bg="black", fg="white")

subj = Entry(root, bd =8)

subj.pack(fill=X)

#Body of the message

body = Text(root, font="Tahoma", relief=SUNKEN , bd=8)

body.config(bg="pink", height=15)

body.pack(fill=BOTH, expand=True)

#password widget

password = Label(root, text="Enter your Gmail password: ")

password.pack()

password.config(bg="red", fg="white")

password= Entry(root, show='\*', bd =8)

password.pack(fill=X)

#submit button

submit\_mail = Button(root, bd =8, text="Click here to submit the mail",

command=gmail)

submit\_mail.pack(fill=X)

#feed back

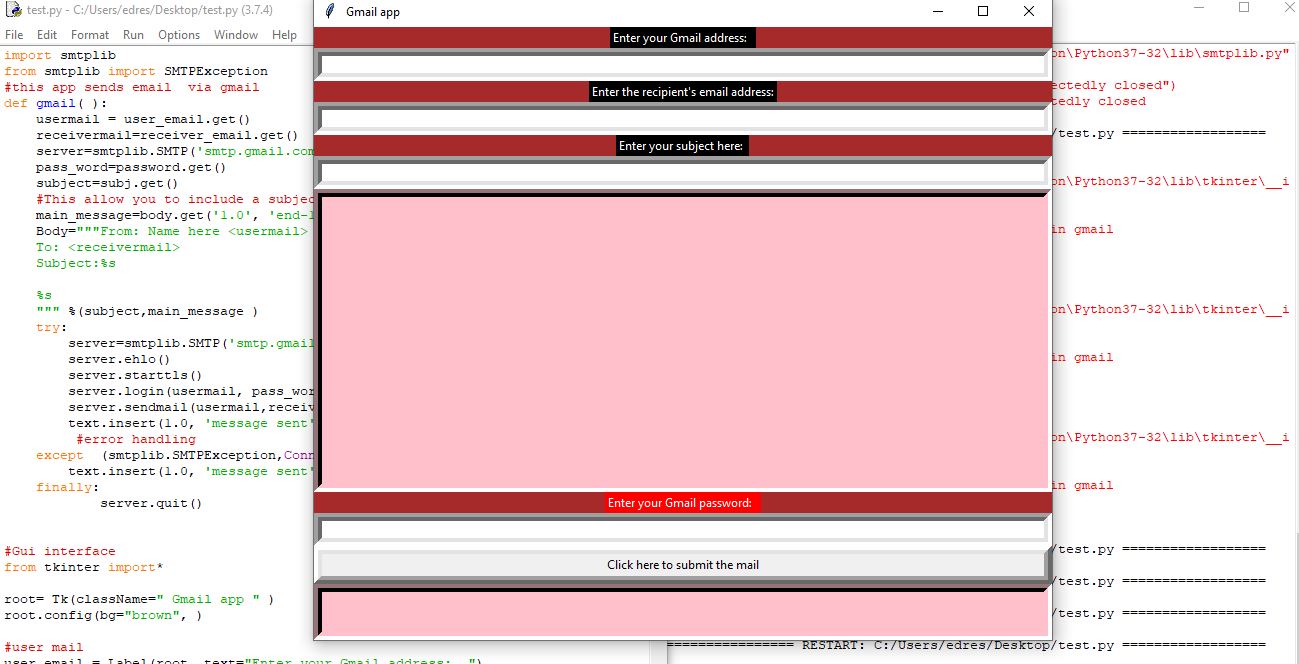
text = Text(root, font="Tahoma", relief=SUNKEN , bd=8)

text.config(bg="pink", height=2)

text.pack(fill=BOTH, expand=True)

root.mainloop()

**OUTPUT:\_**

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