**Subject-Advanced Embedded Programming**

**Subjectcode-CAT-851**

**Question 1. Design the Tkinter GUI interface for sending the mail using Gmail.**

#! /usr/bin/env python

# -\*- coding: utf-8 -\*-

# GUI module generated by PAGE version 5.0.3

# in conjunction with Tcl version 8.6

# Apr 09, 2020 05:00:37 PM IST platform: Windows NT

import sys

try:

import Tkinter as tk

except ImportError:

import tkinter as tk

try:

import ttk

py3 = False

except ImportError:

import tkinter.ttk as ttk

py3 = True

import email

def vp\_start\_gui():

'''Starting point when module is the main routine.'''

global val, w, root

root = tk.Tk()

top = Toplevel1 (root)

email.init(root, top)

root.mainloop()

w = None

def create\_Toplevel1(rt, \*args, \*\*kwargs):

'''Starting point when module is imported by another module.

Correct form of call: 'create\_Toplevel1(root, \*args, \*\*kwargs)' .'''

global w, w\_win, root

#rt = root

root = rt

w = tk.Toplevel (root)

top = Toplevel1 (w)

email.init(w, top, \*args, \*\*kwargs)

return (w, top)

def destroy\_Toplevel1():

global w

w.destroy()

w = None

class Toplevel1:

def \_\_init\_\_(self, top=None):

'''This class configures and populates the toplevel window.

top is the toplevel containing window.'''

\_bgcolor = '#d9d9d9' # X11 color: 'gray85'

\_fgcolor = '#000000' # X11 color: 'black'

\_compcolor = '#d9d9d9' # X11 color: 'gray85'

\_ana1color = '#d9d9d9' # X11 color: 'gray85'

\_ana2color = '#ececec' # Closest X11 color: 'gray92'

top.geometry("585x779+430+178")

top.minsize(148, 1)

top.maxsize(1924, 1055)

top.resizable(1, 1)

top.title("New Toplevel")

top.configure(background="#d9d9d9")

self.Entry1 = tk.Entry(top)

self.Entry1.place(relx=0.034, rely=0.013,height=24, relwidth=0.588)

self.Entry1.configure(background="white")

self.Entry1.configure(disabledforeground="#a3a3a3")

self.Entry1.configure(font="TkFixedFont")

self.Entry1.configure(foreground="#000000")

self.Entry1.configure(insertbackground="black")

self.Label1 = tk.Label(top)

self.Label1.place(relx=-0.017, rely=0.0, height=45, width=41)

self.Label1.configure(background="#d9d9d9")

self.Label1.configure(disabledforeground="#a3a3a3")

self.Label1.configure(foreground="#000000")

self.Label1.configure(text='''To:''')

self.Entry2 = tk.Entry(top)

self.Entry2.place(relx=0.051, rely=0.064,height=24, relwidth=0.571)

self.Entry2.configure(background="white")

self.Entry2.configure(disabledforeground="#a3a3a3")

self.Entry2.configure(font="TkFixedFont")

self.Entry2.configure(foreground="#000000")

self.Entry2.configure(insertbackground="black")

self.Label2 = tk.Label(top)

self.Label2.place(relx=0.0, rely=0.051, height=46, width=23)

self.Label2.configure(background="#d9d9d9")

self.Label2.configure(disabledforeground="#a3a3a3")

self.Label2.configure(foreground="#000000")

self.Label2.configure(text='''CC:''')

self.Label3 = tk.Label(top)

self.Label3.place(relx=0.0, rely=0.103, height=46, width=35)

self.Label3.configure(background="#d9d9d9")

self.Label3.configure(disabledforeground="#a3a3a3")

self.Label3.configure(foreground="#000000")

self.Label3.configure(text='''BCC:''')

self.Entry3 = tk.Entry(top)

self.Entry3.place(relx=0.068, rely=0.116,height=24, relwidth=0.571)

self.Entry3.configure(background="white")

self.Entry3.configure(disabledforeground="#a3a3a3")

self.Entry3.configure(font="TkFixedFont")

self.Entry3.configure(foreground="#000000")

self.Entry3.configure(insertbackground="black")

self.Label4 = tk.Label(top)

self.Label4.place(relx=0.0, rely=0.154, height=46, width=57)

self.Label4.configure(background="#d9d9d9")

self.Label4.configure(disabledforeground="#a3a3a3")

self.Label4.configure(foreground="#000000")

self.Label4.configure(text='''Subject:''')

self.Entry4 = tk.Entry(top)

self.Entry4.place(relx=0.103, rely=0.167,height=24, relwidth=0.776)

self.Entry4.configure(background="white")

self.Entry4.configure(disabledforeground="#a3a3a3")

self.Entry4.configure(font="TkFixedFont")

self.Entry4.configure(foreground="#000000")

self.Entry4.configure(insertbackground="black")

self.Label5 = tk.Label(top)

self.Label5.place(relx=0.0, rely=0.205, height=46, width=84)

self.Label5.configure(background="#d9d9d9")

self.Label5.configure(disabledforeground="#a3a3a3")

self.Label5.configure(foreground="#000000")

self.Label5.configure(text='''Attachment:''')

self.Button1 = tk.Button(top)

self.Button1.place(relx=0.188, rely=0.218, height=33, width=79)

self.Button1.configure(activebackground="#ececec")

self.Button1.configure(activeforeground="#000000")

self.Button1.configure(background="#d9d9d9")

self.Button1.configure(disabledforeground="#a3a3a3")

self.Button1.configure(foreground="#000000")

self.Button1.configure(highlightbackground="#d9d9d9")

self.Button1.configure(highlightcolor="black")

self.Button1.configure(pady="0")

self.Button1.configure(text='''Select File''')

self.Label6 = tk.Label(top)

self.Label6.place(relx=0.0, rely=0.27, height=46, width=99)

self.Label6.configure(background="#d9d9d9")

self.Label6.configure(disabledforeground="#a3a3a3")

self.Label6.configure(foreground="#000000")

self.Label6.configure(text='''Message Body''')

self.Text1 = tk.Text(top)

self.Text1.place(relx=0.017, rely=0.334, relheight=0.494, relwidth=0.909)

self.Text1.configure(background="white")

self.Text1.configure(font="TkTextFont")

self.Text1.configure(foreground="black")

self.Text1.configure(highlightbackground="#d9d9d9")

self.Text1.configure(highlightcolor="black")

self.Text1.configure(insertbackground="black")

self.Text1.configure(selectbackground="#c4c4c4")

self.Text1.configure(selectforeground="black")

self.Text1.configure(wrap="word")

self.Button2 = tk.Button(top)

self.Button2.place(relx=0.017, rely=0.847, height=33, width=149)

self.Button2.configure(activebackground="#ececec")

self.Button2.configure(activeforeground="#000000")

self.Button2.configure(background="#d9d9d9")

self.Button2.configure(disabledforeground="#a3a3a3")

self.Button2.configure(foreground="#000000")

self.Button2.configure(highlightbackground="#d9d9d9")

self.Button2.configure(highlightcolor="black")

self.Button2.configure(pady="0")

self.Button2.configure(text='''Send Mail''')

if \_\_name\_\_ == '\_\_main\_\_':

vp\_start\_gui()

