

Practical Assignment 2(Solution)**AEP,CAT-851**

Q. To design Email GUI and send mail.

Ans.:

```
from tkinter import *
```

```
import smtplib,ssl
```

```
W=Tk()
```

```
W.title("Mail_Gui")
```

```
send_email=StringVar()
```

```
send_pass=StringVar()
```

```
recv_email=StringVar()
```

```
global msg_body
```

```
def layout():
```

```
    menuBar=Menu(W)
```

```
    W.config(menu=menuBar)
```

```
sender_email=Label(W,text="From : ")
```

```
sender_entry=Entry(W,textvariable=send_email,bd=3)
```

```
sender_pass=Label(W,text="Pass: ")
```

```
sender_passentry=Entry(W,show='*',textvariable=send_pass,bd=3)
```

```
receiver_email=Label(W,text="To: ")
```

```
receiver_entry=Entry(W,textvariable=recv_email,bd=3)
```

```
msg_label=Label(W,text="Message")
```

```
msg_body = Text(W,height=5,width=15,bd=3)

send=Button(W,text="Send",width=15,command= "mail" ,bd=3)
cancel=Button(W,text="Cancel",width=15,command= "destroy" ,bd=3)

sender_email.grid(row=0,column=0,padx=5,pady=3)
sender_entry.grid(row=0,column=1,padx=5,pady=3)
sender_pass.grid(row=1,column=0,padx=5,pady=3)
sender_passentry.grid(row=1,column=1,padx=5,pady=3)
receiver_email.grid(row=2,column=0,padx=5,pady=3)
receiver_entry.grid(row=2,column=1,padx=5,pady=3)
msg_label.grid(row=3,column=0,padx=5,pady=3)
msg_body.grid(row=3,column=1,padx=5,pady=3)
send.grid(row=4,column=0,padx=5,pady=3)
cancel.grid(row=4,column=1,padx=5,pady=3)
W.mainloop()

def destroy():
    W.destroy()

def msg_box():
    messagebox.showinfo("Email Info","Mail Sent")

def mail():
    try:
        if send_email.get()==" or send_pass.get()==" or recv_email.get()=="":
            messagebox.showerror("Error","Please enter the complete details.")
```

else:

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

```
server.starttls()
```

```
server.login(send_email.get(),send_pass.get())
```

```
server.sendmail(send_email.get(),recv_email.get(),msg_body.get(1.0,None))
```

```
msg_box()
```

except Exception as e:

```
print(e)
```

finally:

```
server.quit()
```

```
a=messagebox.askokcancel("Error","Read instructions")
```

```
layout()
```

Output :

