

Send email using Python

Via Gmail SMTP Server

By Deepak Lohia

Software Requirements

Programs to be installed

- Gmail Account
- Python 3.7 and above - <https://www.python.org/downloads/>
- Visual Studio Code (to run script) - <https://code.visualstudio.com>

Before running Python Script

Change Account Details

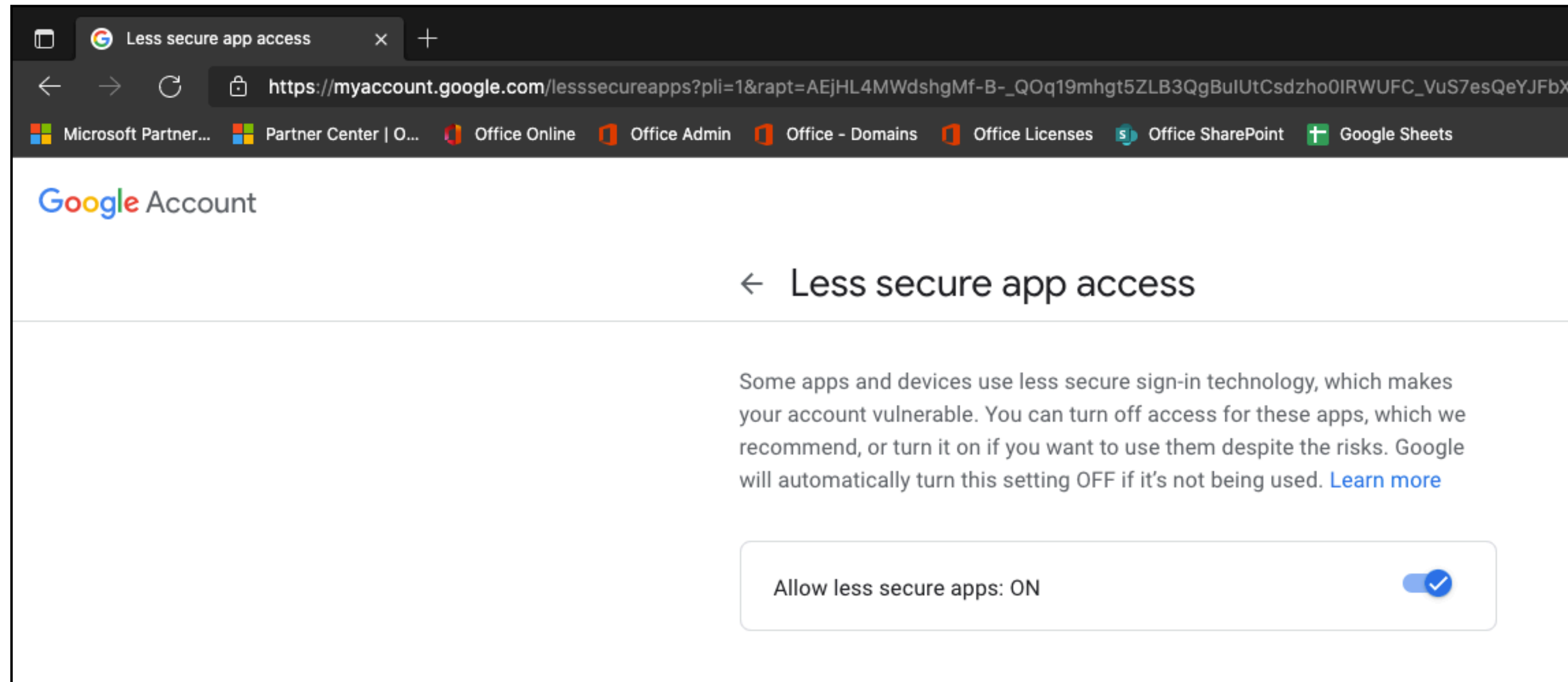
Edit SMTP Details in script

```
send_from = "DLA"  
send_to = "sendtoEmail@live.com"  
subject = "PYTHON TEST EMAIL DLA"  
body = "this is body"  
username = "dummyAccount@gmail.com"  
password = "Password1234"  
attachmentPath = "/Users/dd/Desktop/rough.txt"
```

Enable “Less Secure”

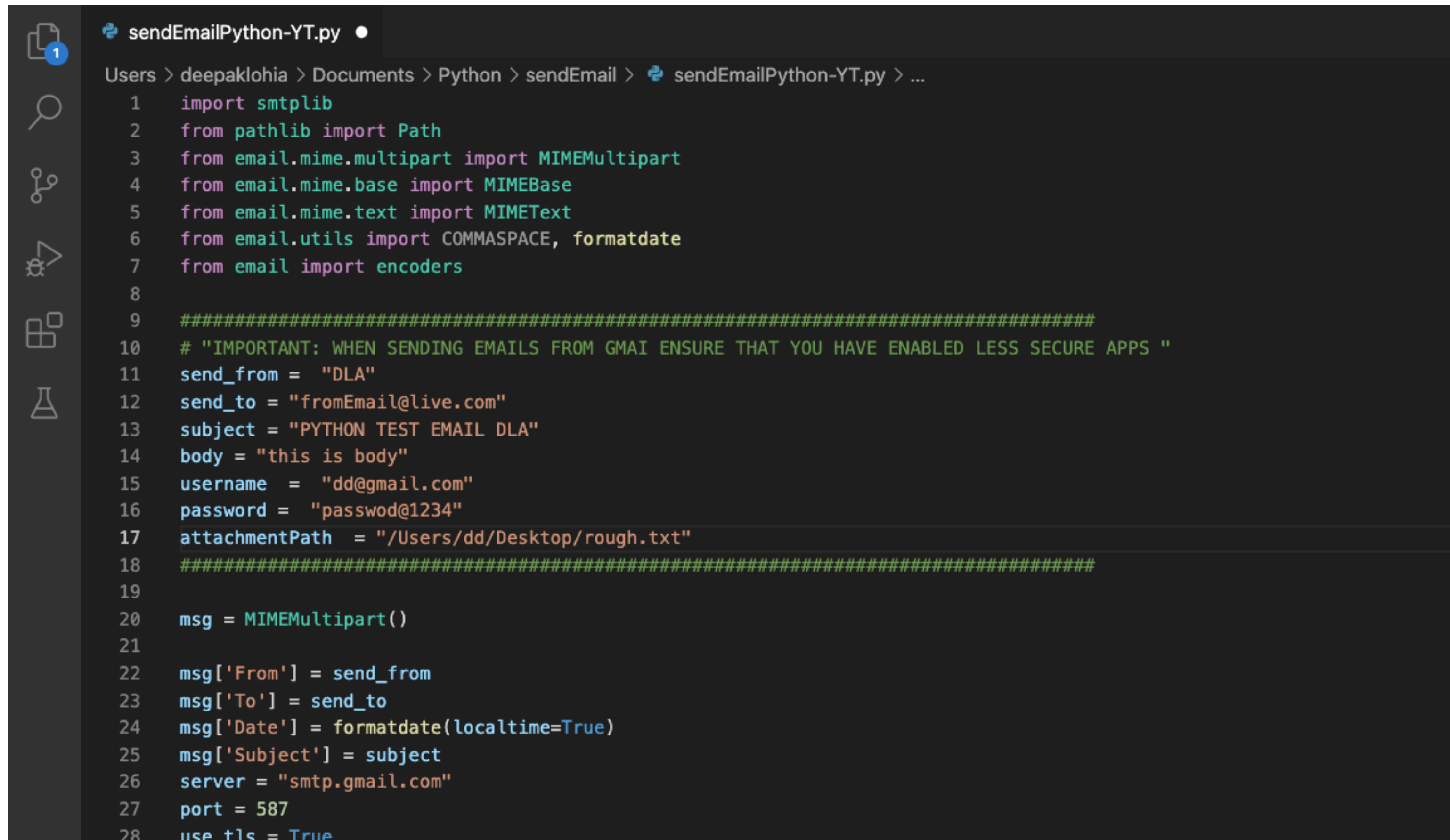
Enable “Less Secure” app feature on gmail

<https://myaccount.google.com/lesssecureapps>



Run Code in visual Studio Code

Run Python script



The screenshot shows the Visual Studio Code interface with a file named `sendEmailPython-YT.py` open. The breadcrumb navigation at the top indicates the file path: `Users > deepaklohia > Documents > Python > sendEmail > sendEmailPython-YT.py > ...`. The code is a Python script that uses the `smtplib` and `email` libraries to send an email. It includes imports for `smtplib`, `Path`, `MIMEMultipart`, `MIMEBase`, `MIMEText`, `COMMASPACE`, `formatdate`, and `encoders`. The script sets up email headers and body, and then creates a `MIMEMultipart` object to send the email. The email is sent to `fromEmail@live.com` with the subject `PYTHON TEST EMAIL DLA` and body `this is body`. The email is sent using the `smtp.gmail.com` server on port `587` with TLS enabled.

```
1  import smtplib
2  from pathlib import Path
3  from email.mime.multipart import MIMEMultipart
4  from email.mime.base import MIMEBase
5  from email.mime.text import MIMEText
6  from email.utils import COMMASPACE, formatdate
7  from email import encoders
8
9  #####
10 # "IMPORTANT: WHEN SENDING EMAILS FROM GMAI ENSURE THAT YOU HAVE ENABLED LESS SECURE APPS "
11 send_from = "DLA"
12 send_to = "fromEmail@live.com"
13 subject = "PYTHON TEST EMAIL DLA"
14 body = "this is body"
15 username = "dd@gmail.com"
16 password = "passwod@1234"
17 attachmentPath = "/Users/dd/Desktop/rough.txt"
18 #####
19
20 msg = MIMEMultipart()
21
22 msg['From'] = send_from
23 msg['To'] = send_to
24 msg['Date'] = formatdate(localtime=True)
25 msg['Subject'] = subject
26 server = "smtp.gmail.com"
27 port = 587
28 use_tls = True
```

Thank you

DLA